रजिस्टर्ड सं. डी--(डी एन)--128/91

REGISTERED NO. D—(DN)—128/91

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 18] नई दिल्ली, शनिवार, मई 4, 1991 (वैशाख 14, 1913)
No. 18] NEW DELHI, SATURDAY, MAY 4, 1991 (VAISAKHA 14, 1913)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 4th May, 1991

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
Todi Estates, III Floor,
Lower Parel (West),
Bombay-400 013.

The States of Gujarat, Maharashtra and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Bldg.,
5th, 6th and 7th Floor,
234/4, Acharya Jagdish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by Bank Draft or Cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 4 मई 1991

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली।

तार पता—"पेटोफिसे"

पेटेंट कार्यालय शाखा,
इकाई सं० 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकॉय तथा एमिनिदिवि द्वीप।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020

भारत का अवशेष क्षेत्र

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : —शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय स्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

ALTERATION OF ENTRIES IN THE REGISTER OF PATENT AGENTS UNDER RULE 103 OF THE PATENTS RULES 1972

In pursuance of an application on form 52, the address of the principal place of business in respect of Mrs. A. V. Nathan has been altered to :—

451, 2nd Cross, 3rd Block, 3rd Stage,
Basaveswaranagar,
Bangalore-560 079

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under section 135, of the Patents Act, 1970.

The 22nd March, 1991

236/Cal/91 NGK Insulators, Ltd. Optical fiber built-in type composite insulator.

237/Cal/91 E.I. Du Pont De Nemours and Company. Extractive distillation.

238/Cal/91 John K Junkers. Power wrench.

239/Cal/91 Franz Gahler. Method and equipment for reprocessing fragment-type fractions and/or free-flowing materials.

The 25th March, 1991

240/Cal/91 Empresa Importadora, Exportadora Y Distribuidora Para La Ciencia Y La Tecnica. A device for working the land.

241/Cal/91 Thomson Consumer Electronics, Inc. Color picture tube having inline electron gun with focus adjustment means.

242/Cal/91 American Cyanamid Company. New N-Acylated arylpyrroles useful as insecticidal, acaricidal, nematicidal and molluscicidal agents.

The 26th March, 1991

243/Cal/91 Himont Incorporated. Hyperpure propylene polymers.

The 26th March, 1991

244/Cal/91 Himont Incorporated. Components and catalysts for the polymerization of olefins.

The 27th March, 1991

245/Cal/91 Atochem North America, Inc. Process of forming a stable colloidal dispersion.

246/Cal/91 Siemens Aktiengesellschaft. Duct for gas-insulated medium-or high voltage switchgear.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-5

The 4th March, 1991

170/Del/91 Hanusate Laboratories, "Process for the preparation of a Diagnostic Reagent".

171/Del/91 T. George Joseph & Other, "Domestic water filter apparatus".

The 5th March, 1991

172/Del/91 Motorola Inc., "Networked satellite and terrestrial cellular radiotelephone systems".

173/Del/91 Paul Wurth S.A., "Device for injecting preheated air into a shaft furnace".

The 6th March, 1991

174/Del/91 The Procter & Gamble Co., "Co-sulfation of ethoxylated alcohols and unsaturated fatty alcohols".

175/Del/91 The Procter & Gamble Co., "Light-duty liquid dishwashing detergent composition containing alkyl polysaccharide and alpha-sulfonated fatty acid alkyl ester surfactants".

176/Del/91 Vijay Gumber, "Remote control for air-conditioner".

177/Del/91 Mobil Solar Energy Corporation, "System for controlling crystal growth apparatus and melt replenishment system therefor".

178/Del/91 Exxon Chemical Patents Inc., "Improved polybutene process".

The 7th March 1991

179/Del/91 Atochem, "Composition for improving adhesion of vinylidene polyfluoride and non-compatible polymeric resins".

180/Del/91 Russell D.IDE., "Low-profile disk drive motor".

181/Del/91 Mag Maschinen Und Apparatebau Gesellschaft m.b.H., "Method and apparatus for producing enamelled wires using fusible resins".

182/Del/91 W. R. Grace & Co-Conn., "Battery separator".

The 8th March 1991

183/Del/91 Shell Internationale Research Maatschappij B. V., "Process of producing functionalized elastomeric polymers".

184/Del/91 Carold Pichette, "Wall frame elements with insulating panel anchoring prongs".

185/Del/91 Warner Lambert Co., "Flexible razor head".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST) BOMBAY-13

The 18th February, 1991

43/Bom/91 Karimbhai Valibhai Mankad. Slanting of wick stove sleeve holes to increase air flow & save fuel.

The 19th February, 1991

44/Bom/91 Sudhir Amrut Narkhade. A self teaching aid.

45/Bom/91 Satish Maganlal Vora. A stable unleaded high octane fuel composition & a method for preparing the same for use in an internal combustion engine.

The 20th February, 1991

46/Bom/91 Kumar Balaram Bhatia. An improved type of hand operated erochsen tester to determine the deep drawing property of metal sheets of thickness from 0-2 mm & even 2-3 mm thickness.

47/Bom/91 Thomas C. Kuracina. Safety syringe cap minimizing needle-stick probability.

48/Bom/91 Rajan Bhogate. Monopole surface magnet & method of making the same.

49/Bom/91 Rajan Bhogate. Perpetual motion machine & method of making the same.

The 21st February, 1991

50/Bom/91 Iqbal Krishna Bharati. An improved anti pollution thermal reactor provided in the exhaust system of an internal combustion engine.

51/Bom/91 Iqbal Krishna Bharati. An anti pollution thermal reactor provided in the exhaust system of an internal combustion engine.

52/Bom/91 Sanjeev Lunia. An improved sealing device.

The 22nd February, 1991

53/Bom/91 Sanjeev Lunia. An improved device to provide support & required spacing between the bare conductors of outdoor electrical service lines.

The 25th February, 1991

54/Bom/91 Haren Mody. An improvements relating to caster wheel.

55/Bom/91 Bajaj Auto Ltd. An improved two stroke Internal Combustion Engine.

The 26th February, 1991

56/Bom/91 Zubin Jal Irani. An invention of chair.

57/Bom/91 Hoechst India Ltd. A process for the production of novel antibiotics called antibiotics M-901809 & M-901809H from a new strain of streptomyces species culture No. HIL Y-90,31665 its variants or mutants.

The 27th February, 1991

58/Bom/91 Ashok Sitaram Sapre. Tank inventory gauge.

The 4th March, 1991

59/Bom/91 Hawkins Cookers Ltd. Improvements to handles of domestic pressure cookers.

The 5th March 1991

60/Bom/91 Dr. Jitendra Bhatnagar. External fixator for bone immobilisation & limb lengthening based on ilizarov pattern.

The 6th March, 1991

61/Bom/91 Surendra Rudhyaniwas Kotkar. Portable auto service lift.

62/Bom/91 Jung-Chang Lee. A wear detecting & protecting device for a threaded sleeve of a driving mechanism of a drying chamber for a cloth dyeing machine.

63/Bom/91 C. M. Chiu. A rotational oxygen supply.

The 7th March, 1991

64/Bom/91 Ajay Jaywant Kowley. Plastic container with solid lifting means cast in situ.

65/Bom/91 ADPEC Filter (India) Pvt.Ltd. Pneumatically driven horizontal vacuum belt filter capable of delivering the solids in practically dry cake form.

66/Bom/91 Consafe Science (India) Pvt. Ltd. Process & plant for treatment of spentwash in distilleries to accomplish zero affluent resulting into char product to be used as a fuel.

67/Bom/91 Sudarshan Chemical Industries Ltd. A plant for safe handling of lime.

68/Bom/91 Shivram Sitaram Sapar. An improved rotary shaker.

The 8th March, 1991

69/Bom/91 Hindustan Lever Ltd. Benzisothiazolinone-1-dioxide derivatives as elastase inhibitors.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 4th February, 1991

80/Mas/91 Simon Tharakan. A magnetic filter.

81/Mas/91 Dr. K. Nanda Kumar. Tooth and gum protector brush (TGP BRUSH).

82/Mas/91 P. J. Sebastian. Reducing diesel conception upto 25% for 4 strokes diesel engine.

83/Mas/91 ONO. Method for manufacturing containers provided with a peelable closure.

84/Mas/91 Mauser-Werke GMBH. Stackable drum.

85/Mas/91 Zellweger Uster Ltd. An apparatus for preparing test results of textile goods such as yarn, roving or sliver in graphic form. (Divisional to Patent application No. 298/Mas/87).

The 5th February, 1991

86/Mas/91 Maschinenfabrik Rieter AG. Nipper jaw for a Combing Machine.

87/Mas/91 Moen Incorporated. Energy conservation and anti-scale/burn single handle valve construction.

88/Mas/91 Ammonic Casale S.A. System for the distribution of gas in catalytic beds and for the support with minimum dimensions of the catalyst in reactors for heterogeneous synthesis.

89/Mas/91 Maschinenfabrik Rieter AG. Combing machine.

90/Mas/91 Du Pont-Howson Limited. Polymeric compounds. (February 13, 1990; United Kingdom).

The 7th February, 1991

91/Mas/91 Daniel Idicheria. A method for saving consumption of fuel in internal combustion engines.

92/Mas/91 Daniel Idicheria. A method to save consumption of fuel and to increase efficiency of internal combustion engine in Automobiles.

93/Mas/91 Daniel Idicheria. An improved version of Electrically operated automatic traffic light signal.

94/Mas/91 Daniel Idicheria. New tunes in music. Reproduced from recorded orchestra and songs.

95/Mas/91 Daniel Idicheria. Laminated Wooden Cabinets, cases for Quartz clocks.

96/Mas/91 C. Neethichamy. The heart of engineering using for horology and one more function of the Engg. ways.

97/Mas/91 Manuel Tascon. Prosthetic heart valve.

98/Mas/91 Sharp Kabushiki Kaisha. Image formation. (Divisional to Patent Application No. 425/Mas/87).

The 8th February, 1991

99/Mas/91 Dasprakash Private Limited. A process for the preparation of rice pongal.

100/Mas/91 Dasprakash Private Limited. A process for the preparation of rava uppuma.

101/Mas/91 Dasprakash Private Limited. A process for the preparation of green peas masala.

102/Mas/91 Dasprakash Private Limited. A pocess for the preparation of badam (almond) halwa.

103/Mas/91 Dasprakash Private Limited. A process for the preparation of medu wadai.

104/Mas/91 Dasprakash Private Limited. A process for the preparation of dosai.

105/Mas/91 DRG (UK) Limited. A web-fed perfecting printing apparatus. (May 14th, 1986; UK). (Divisional to Patent application No. 345/Mas/87).

106/Mas/91 DRG (UK) Limited. A web-fed printing apparatus. (May 14th, 1986) (Divisional to Patent Application No. 345/Mas/87).

107/Mas/91 DRG (UK) Limited. A method of processing at least one web of material. (May 14th 1986) (Divisional to Patent Application No. 345/Mas/87).

108/Mas/91 Palitex Project-Company GmbH. Textile machine, in particular a twisting machine.

109/Mas/91 Foseco International Limited. Metallurgical flux composition. (March 10th 1990; UK).

The 11th February, 1991

110/Mas/91 International Business Machines Corporation. Data processing apparatus for dynamically setting timings in a dynamic memory system.

111/Mas/91 International Business Machines Corporation. Memory Controller for direct or interleave memory accessing.

112/Mas/91 Hans-Otto Schwarze. Cleaning apparatus for an eneless belt installation.

113/Mas/91 Lilliwyte Societe Anonyme. A precursor for a high temperature electrochemical cell. (June 6, 1986; Great Britain). (Divisional to Patent Application No. 417/Mas/87).

114/Mas/91 The Dow Chemical Company. An isocyanate-terminated prepolymer and flexible polyurethane foam prepared therefrom.

115/Mas/91 Didier Ledeuil. Method for rendering waterproof a roller compacted concrete or rubble hydraulic structure. (Divisional to Patent Application No. 397/Mas/87).

116/Mas/91 Henkel Komanditgesellschaft auf aktien. A friable sealing compound for sealing joint boxes.

12th February, 1991

117/Mas/91 Sappi Limited. A process for producing pulp from a lignocellulosic-containing material.

118/Mas/91 Audenried W. Knapp. Non-toxic photographic developer composition.

119/Mas/91 RSL Logistik GmbH & Co. Transport device.

13th February, 1991

120/Mas/91 Girivas Viswanath Shet. A method of preparing a wrist-watch with 9 gems fixed on it representing 9 planets.

121/Mas/91 Grivas Viswanath Shet. A method of preparing ayurvedic paste for children for applying on the tongue.

122/Mas/91 Viral Technologies, Inc. and The George Washington University. HIV Related Reptides. (October 9, 1990; Great Britain).

123/Mas/91 Motorola Inc. Multiple Resonator. (Divisional to patent Application No. 421/Mas/87).

124/Mas/91 Idemitsu Petrochemical Co., Ltd. Process of producing -olefins.

The 14th February, 1991

125/Mas/91 Societe des Produits Nestle S.A. Process for the production of dried pastes.

126/Mas/91 George Alexander Ingus. A method of tyre cord sheet construction. (February 14, 1990; Great Britain).

127/Mas/91 Caterpillar Inc. Quick drop valve.

128/Mas/91 Roger Evan Billings. Method and apparatus for electrolyzing water. (Divisional to Patent Application No. 441/Mas/87).

129/Mas/91 Cabot Corporation. Barium titanate coforms. (Divisional to patent Application No. 346/Mas/87).

The 18th February, 1991

130/Mas/91 Dr. R. Natarajan (RAJ). A device for direct measurement of reactive current in an AC tower system.

131/Mas/91 Saju (Chacko Sebastian). Electric fuse replacer.

132/Mas/91 Mauser-Werke GMBH. Bung barrel.

The 19th February, 1991

133/Mas/91 Vijiam Joshua. A refloatable gravity base production platform.

134/Mas/91 Sandoz Ltd., Aqueous dispersions of oxidized sulphur dyes (February 21, 1990; Great Britain).

135/Mas/91 Compagnie Generale Des Etablissements Michelin—Michelin & CIE. Method and device for melting an organic product with the use of microwaves.

136/Mas/91 Nokia-Maillefer Holding S.A. An arrangement in an automatic cable winding machine.

The 20th Februray, 1991

137/Mas/91 Girivas Viswanath Shet. A method of preparing a quick check-list book for hotels for the purpose of avoiding cheating.

138/Mas/91 Girivas Viswanath Shet. A method of manufacturing a divine perfume with a divine name.

139/Mas/91 Chirayavalel Thomas Thomas, (2) Titten Thomas and (3) Thelma Joseph. A plastic lamination process for coir matting.

140/Mas/91 Chirayavalel Thomas Thomas, (2) Titten Thomas and (3) Thelma Joseph. A plastic lamination process for coir matting.

141/Mas/91 Atochem. Process for the synthesis of (methylbenzyl) xylene oligomers and their application as a dielectric.

142/Mas/91 FMC Corporation. Well casing hanger with wide temperature range seal.

143/Mas/91 Palitex Project-Company GmbH. Method of strengthening and/or twisting a feed yarn wound under little tension.

144/Mas/91 Minnesota Mining and Manufacturing Company. Controlled pore composite polytetra-fluoroethylene article and method.

The 21st February, 1991

145/Mas/91 R. Raveendran. Auto acid treatment plant.

146/Mas/91 Agar Corporation Ltd. Improvements in two and three-phase flow measurement.

147/Mas/91 A Ahlstrom Corporation. Method and apparatus for purification of waste gases.

148/Mas/91 Rockwell International Corporation. Direct current travelling wave motor.

149/Mas/91 Rockwell International Corporation. Peizoelectric motor.

The 22nd February, 1991

150/Mas/91 Palitex Project-Company GmbH. A spindle for producing a thread.

151/Mas/91 American Telephone & Telegraph Company. Depressed cladding optical fiber cable. (Divisional to Patent Application No. 453/Mas/87).

152/Mas/91 Palitex Project-Company GmbH. A spindle for producing a thread.

153/Mas/91 Copolymer Rubber & Chemical Corporation. Continuous process for producing adducted EPM or EPDM oil solution.

The 25th February, 1991

154/Mas/91 Du Pont Howson Ltd. Electrolytic Graining. (March 6, 1990; Great Britain).

155/Mas/91 Stamicarbon B.V. Process for the removal of heavy metals from acid, phosphate-containing aqueous media. (Divisional to Patent Application No. 461/Mas/87).

156/Mas/91 Railmaster System, Inc. An improved railtruck assembly for use in an improved railway train of highway trailers. (Divisional to Patent Application No. 415/Mas/87).

The 26th February, 1991

157/Mas/91 Maschinenfabrik Rieter Ag. Cleaning machine for textile fibres.

158/Mas/91 Fives-Cail Babcock. A method of making cement clinker.

159/Mas//89 Atochem. Dielectric compositions based on benzyltoluene and on (methylbenzyl) xylene.

160/Mas/91 Atochem. Composition based on methyl and benzyl derivatives of diphenylmethane for use as a dielectric.

161/Mas/91 Ampex Corporation. An Electromagnetically controlled magnetic transducer. (December 15, 1986; Canada). (Divisional to Patent Application No. 366/Mas/87).

162/Mas/91 Ampex Corporation. An electromagnetically controlled magnetic transducer. (December 15, 1986; Canada) (Divisional to Patent application No. 366/Mas/87).

163/Mas/91 Henkel Kommanditgesellschaft Auf Aktien. Primer for cyanoacrylate adhesives and use thereof.

164/Mas/91 Ampex Corporation. An electromagnetically controlled magnetic transducers (December 15, 1986; Canada) (Divisional to Patent application No. 366/Mas/87).

165/Mas/91 Ampex Corporation. An apparatus for transferring a signal with respect to a magnetic medium (December 15, 1986; Canada). (Divisional to Patent application No. 366/Mas/87).

The 27th February, 1991

166/Mas/91 Chelamkuri Krishna Murty. Heat water lifter.

167/Mas/91 Igen, Inc. Inhibitors of catalytic antibodies.

168/Mas/91 Kabushiki Kaisha Toyota Chuo Kenkyusho. A bath agent for forming a carbide or diffusion layer on an article to be treated. (Divisional to Patent application No. 475/Mas/87).

169/Mas/91 Union Oil Company of California. Pelletized thiocarbonates.

170/Mas/91 Henkel Kommanditgesellschaft auf Aktien. Fluid drill-hole treatment agents based on carbonic acid diesters.

171/Mas/91 Henkel Kommanditgesellschat auf Aktien. Fluid drill-hole treatment agents based on polycarboxylic acid diesters.

172/Mas/91 Toa Trading Co., Ltd., A procss for preparing a reactivated denitrating catalyst in a boiler. (Divisional to Patent Application No. 579/Mas/87).

The 28th February, 1991

173/Mas/91 M. M. Mathai. Heating/processing with wasted energy.

174/Mas/91 Societe des Produits Nestle S.A. Process and apparatus for dehydrating food products such as soups, purees, porridge, beverages and compotes.

175/Mas/91 Daiichi Pharmaceutical Co., Ltd. Process for selectively producing hydrate crystals.

The 1st March, 1991

176/Mas/91 Widia (India) Limited. A process for production of a cutting member from a carbide parent substance.

177/Mas/91 Rajashekharayya Murigeppayya Mathad. Multipurpose and adjustable tool carrier (bullock drawn).

178/Mas/91 Mobil Oil Corporation. Catalyst and process for the selective production of para-dialkyl substituted benzenes.

179/Mas/91 David Bentley Limited. Improvements relating to calender and embossing bowls.

The 4th March, 1991

180/Mas/91 A. S. R. Somayaji. Steel-wire-rope/steel-strip-band carried, quick replaceable elemental 'V' belts for mechanical power transmission systems.

181/Mas/91 R. Ravindranath. To convert bitumine or asphalt in to a useful hydro corban fuel gas/automobile fuel.

182/Mas/91 P. M. Muhammed. "Zinda Calendar".

183/Mas/91 Turbotect AG. Injection device for on-line wet cleaning of compressors.

184/Mas/91 Caterpillar Inc. Isolated drive sprocket assembly.

185/Mas/91 Caterpillar Inc. Idler wheel assembly.

186/Mas/91 Mitutoyo Mfg. Co. Ltd. A capachance type transducer for measuring positions.

The 5th March, 1991

187/Mas/91 Kabushiki Kaisha Toshiba. Process control system.

188/Mas/91 Urecon Anstalt. Process and devices to improve the performances and the life, with corrosion reduction in kettle type carbamate condensers in urea plants.

189/Mas/91 Minnesota Mining and Manufacturing Company. Connector for connecting a plurality of individual insulated wires with electrical contact elements.

190/Mas/91 Comalco Aluminium Limited and Commonwealth Scientific and Industrial Research Organisation. High temperature furnace. (March 5, 1990; Australia).

The 6th March, 1991

191/Mas/91 Sudarsan Varadaraj. Inner liner coating for preventing tread separation while retreading tyres with nail hole punctures.

192/Mas/91 Chockalingam Balsubramanian. An improved plasma transferred arc hardfacing torch.

193/Mas/91 Chakka Nagabushanam. Enamel slate with embossed writing.

194/Mas/91 Economlight Limited. Electrical power distribution control system.

195/Mas/91 Hoogovens Groep BV. Iron Runner.

196/Mas/91 Plastic Bearings & Housings Australasia Pty. Ltd. New and improved bearing assemblies.

197/Mas/91 Himont Incorporated. Heat resistant propylene polymer compositions.

The 7th March, 1991

198/Mas/91 John Crane Inc. Improvements in barrier seal systems.

The 8th March, 1991

199/Mas/91 Widia (India) Limited. A cutting tool.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

Claim made by SIEMENS PLESSEY ELECTRONIC SYSTEMS LTD., under Section 20 (1) of the Patents Act, 1970, to proceed the Application for Patent No. 167186 in their name has been allowed.

The claim made by DEXTER CHEMICAL CORPORATION, under Section 20(1) of the Patents Act, 1970, to proceed the application for Patent No. 167848 in their name has been allowed.

CORRECTION OF CLERICAL ERRORS

Under Section 78 (1) of the Patents Act, 1970 certain clerical errors occurring in the application for Patent in respect of Patent No. 159500 have been correced on 15-3-1991.

Under Section 78(1) of the Patents Act, 1970 certain clerical errors occuring in the application for Patent in respect of Patent No. 149386 have been corrected on 15-3-1991.

PATENTS SEALED

153439 161962 162003 162263 162304 162390 163533 166049 166458 166545 166747 166765 166791 166798 166799 166800 166801 166802 166806 166822 166823 166824 166840 166849 166863 166864 166865 166866 166867 166881 166883 166886 166887 166899

CAL—19
DEL—4
MAS—5
BOM—8

AMENDMENT PROCEEDINGS UNDER SECTION 57

Proposed amendments under section 57 in respect of Patent Application No. 108/Mas/88 (166819) as advertised in the Gazette of India dated 10-11-1990 have been allowed.

Proposed amendments under Section 57 in respect of Patent Application No. 248/Mas/86 (167216) as advertised in the Gazette of India dated 10-11-90 have been allowed.

Proposed amendments under Section 57 in respect of Patent Application No. 166816 (159/Mas/86) as advertised in the Gazette of India dated 10-11-1990 have been allowed.

Notice is hereby given that Biotechnology Australia Pty. Ltd., Australia, Monash University, Australia; Monash Medical Centre, Australia and St. Vincent's Institute of Medical Research, Australia have made an application under Section 57 of the Patents Act 1970 for amendment of form 6 of their Patent No. 165453 for "A process for the preparation of new Polypeptides by biosynthesis".

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office 234/4, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the Written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

146459 147141 147540 148106 148409 148479 148481 148620 149013 149090 149471 149585 149954 149978 150051 150144 150912 150940 151129 151363 151429 151688 151719 151836 151876 151937 152038 152065 152154 152449 152456 152558 152675 152747 152782 152807 152914 153075 153601 153651 153929 153962 154156 154209 154210 154490 154498 154530 154544 154589 154594 154606 154738 154741 154832 155103 155348 155407 155475 155502 155798 155799 155871 155874 156078 156140 156311 156438 156473 156735 156825 156918 157025 157028 157182 157193 157213 157293 157592 157704 157772 157900 157933 158022 158106 158194 158452 158493 158852 159009 159034 159130 159153 159220 159244 159269 159291 159430 159486 159491 159706 159802 159804 159845 160133 160136 160303 160343 160344 160362 160423 160633 160985 161048 161281 161407 161636 161690 161747 161816 161852 161861 161862 162025 162118 162168 162211 162271 162347 162348 162376 162384 162428 162557 162558 162666 162699 162782 162825 162924 162977 163030 163066 163132 163157 163206 163283 163298 163345 163355 163368 163407 163454 163484 163523 163539 163540 163565 163595 163769 163801 163893 163927 163929 163934 163956 163962 163984 164023 164060 164121 164124 164125 164127 164129 164130 164143 164144 164145 164146 164152 164153 164158 164159 164191 164244 164246 164248 164282 164380 164391 164509 164552 164622 164669 164738 164861 165003 165081 165105 165206 165241 165384 165453 165456 165482 165536 165562 165615 165641 165661 165778 165781 165869 165872 165875 165882 165887 165889 165928 165963 165964 165966 166015 166017 166018 166019 166024 166025 166027 166039 166065 166086 166263 166265 166267 166341 166495 166537 166544 166613 166623 166850 166871 166873 166878

RESTORATION PROCEEDING

Notice is hereby given that an application for restoration of Patent No. 162271 dated the 8th July 1985 made by Director, Central Sericultural Research & Training Institute on the 18th May 1990 and notified in the Gazette of India, Part III, Section 2 dated the 29th September 1990 has been allowed and the said patent restored.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given beow in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompained by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र-15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथासमय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2-/ रु० है (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथाप्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां, यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु० है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CLASS : 168571
Int. Cl. : H 02 k 11/00.

GENERATOR STATOR WINDING DIAGNOSTIC SYSTEM.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, U.S.A.

Inventors : (1) AVELINO JUAN GONZALEZ, (2) FRANKLIN JOSEPH MURPHY, (3) FRANKLIN TIMOTHY EMERY, (4) PERRY ALLEN WEYANT, (5) WILLIAM GENE CRAIG.

Application No. 476/Cal/86, filed on 25th June, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

11 Claims

Diagnostic apparatus for diagnosing the condition of the winding system of an electrical generator having a plurality of coil sections with internal first and second vent tube stacks through which a cooling gas is passed, comprising means for monitoring the temperature of cooling gas emerging from said first and second vent tube stacks of selected ones of said coil sections and providing corresponding first and second temperature indicative signals, characterized by a diagnostic computer receiving as input said first and second temperature indicative signals, said computer generating corresponding first and second normalized temperature indicative signals being high, low or normal to determine whether said normalized temperature signals fall outside of a normal range, and generating predetermined high/high, low/low, high/low, high/normal, low/normal combinations of said normalized signals in and out of said range such that said diagnostic computer generates from said combinations indications of predetermined possible abnormal conditions of said coil section being monitored and output signals indicative of said abnormal condition indications to an operator.

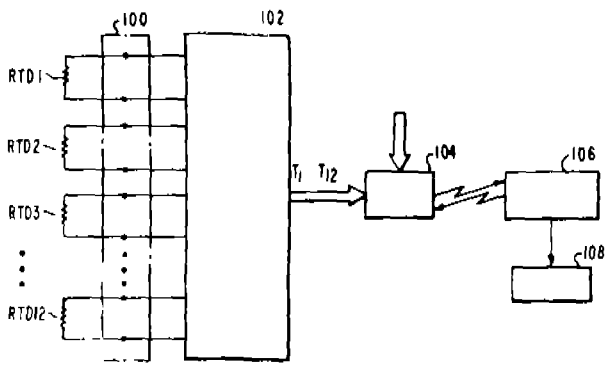


Fig. 6A

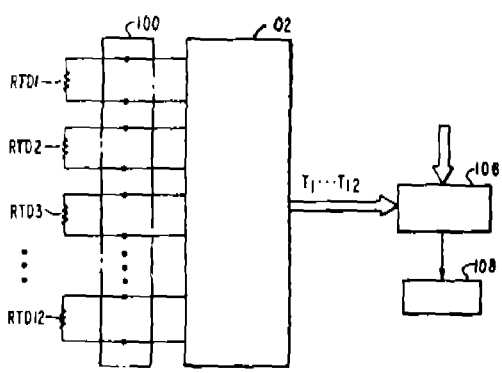


Fig. 6B

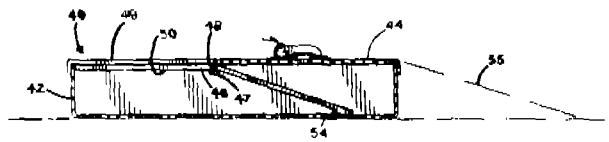


Fig. 14

Compl. Specn. 27 Pages. Drgs. 9 Sheets.

CLASS : 168572
Int. Cl. : G 06 g 3/00.

CONTROL SYSTEM FOR CONTROLLING INPUT POWER TO HYDRAULIC DRIVING SYSTEM.

Applicant : HITACHI CONSTRUCTION MACHINERY CO. LTD., OF 6-2, OHTEMACHI-2-CHOME, CHIYODA-KU, JAPAN, TOKYO.

Inventors : (1) EIKI IZUMI, (2) YASUO TANAKA, (3) HIROSHI WATANABE, (4) SHIGETAKA NAKAMURA.

Application No. 37/Cal/87, filed on 12th January, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

20 Claims

A control system for controlling input power to hydraulic pumps of a hydraulic system including a prime mover, a plurality of variable displacement hydraulic pumps driven by said prime mover and operation devices for respectively varying displacement volumes of said plurality of hydraulic pumps, said control system comprising :

rotational detecting means for detecting actual rotational speed of said prime mover;

pressure detecting means for detecting discharge pressure of each of said plurality of hydraulic pumps;

a control unit which includes

First computing means for determining, for said plurality of hydraulic pumps, respective input torque control values concerning input torque distribution on the basis of respective representative pressure, said respective representative pressure, said respective representative pressure being obtained on the basis of discharge pressure of the other hydraulic pumps of said plurality of hydraulic pumps detected by said pressure detecting means,

second computing means for determining, for said plurality of hydraulic pumps, respective input torque on the basis of rspective input torque control values concerning input torque distribution determined by said first computing means,

third computing means for determining, for said plurality of hydraulic pumps, respective object displacement volume signals from respective input torque determined by said second computing means and respective discharge pressure detected by said pressure detecting means,

selecting means for comparing said respective object displacement volume signals determined by said third computing means and respective displacement volume signals determined by said operation devices to select respective smaller displacement volume signals; and

control means for controlling an inclined angle of a swash plate of each of said plurality of hydraulic pumps in accordance with respective displacement volume signals selected by said selecting means.

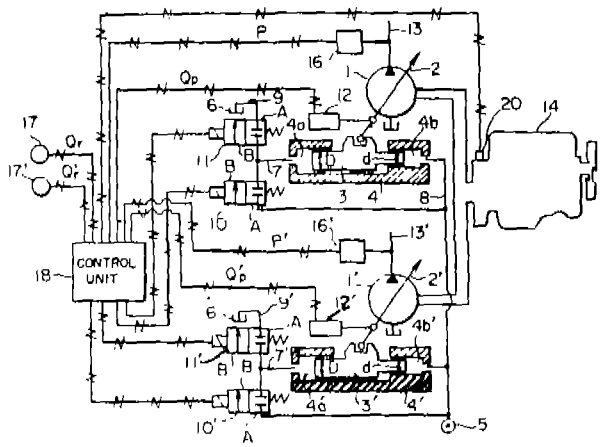


Fig. 1

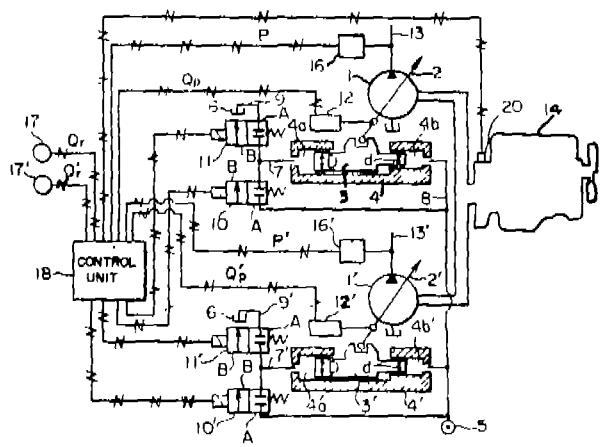


Fig. 1

Compl. Specn. 63 Pages. Drgs. 15 Sheets.

CLASS : 144-C. 168573
Int. Cl. : C 09 c 1/62, 1/68, 3/00.

PROCESS FOR THE PREPARATION OF COLOURED PLATELET-SHAPED PIGMENTS CONTAINING IRON OXIDE.

Applicant : MERCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, 6100 DARMSTADT 1, FRANKFUTER STR. 250, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) DR. KLAUS-DIETER FRANZ, (2) DR. KLAUS AMBROSIUS, (3) AUGUST KNAPP, (4) DR. MANS-DIETER BRUCKNER.

Application No. 217/Cal/87, filed on 18th March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

Process for the preparation of coloured platelet-shaped pigments containing iron oxide, characterized in that, to produce lustrous layers which can exhibit the interference colours of thin platelets, an iron (II) salt solution and the solution of an oxidizing agent are simultaneously added to an aqueous suspension of a platelet-shaped substrate such as herein described at a largely constant temperature of between 0°C to 100°C and a pH of at least 7 and the pigment is separated off and, if appropriate, washed and dried.

Compl. Specn. 14 Pages. Drg. Nil.

CLASS : 63-L. 168574
Int. Cl. : H 03 b 19/00.

VARIABLE-SPEED PUMPED-STORAGE POWER GENERATING SYSTEM.

Applicant : HITACHI LTD., OF 6 KANDA SURUGADAI 4-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) AKIHIRO SAKAYORI, (2) TAKAO KUWABARA, (3) AKIRA BANDO, (4) YASUTERU OONO, (5) SHIGEAKI HAYASHI, (6) ISAO YOKOYAMA, (7) KENZYU OGIWARA.

Application No. 339/Cal/87, filed on 28th April, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A variable-speed pumped-storage power generating system or variable speed pump system including a generator-motor or motor having a primary winding connected to an electric power system and a secondary winding connected to said electric power system through a frequency converter, and a pump-turbine or pump directly coupled to the shaft of said generator-motor or motor, said pumped storage system comprising means for controlling the firing angle of said frequency converter according to an error signal between a power command signal commanding a power required for said pumped storage system and a power signal indicative of an actual output power of said generator-motor or motor.

Compl. Specn. 31 Pages. Drgs. 10 Sheets.

CLASS : 126-C. 168575
Int. Cl. : G 01 d 4/00;
G 01 r 11/32, 11/56, 21/00.

A SINGLE PHASE DIGITAL ENERGY METER.

Applicant & Inventor : MADHAV ANANT DATE, C/O D. D. PRABHU SARASWATI NIKET, 5, CAMAC STREET, CALCUTTA-700017, WEST BENGAL, INDIA.

Application No. 390/Cal/87, filed on 15th May, 1987.

Complete Specification left on 16th August, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

A single phase digital energy meter for measuring and indicating the level of electrical energy consumption by multiplication of

instantaneous values of current and voltage at definite small sampling intervals (Δ_t) and adding these values, the meter comprising

rectifier means for receiving inputs from voltage and current sources,

the output of the rectifier means being connected to sample and hold circuits (S/H circuits),

analogue to digital converters (ADC) for both current and voltage components connected to the output of the sample and hold circuits via different channels,

an oscillator and a timing circuit for sampling time intervals (Δ_t) connected to S/H circuits and ADC for generating signals for the sample and hold operations and channel selection for ADC,

a parallel-in-parallel out shift register connected to the ADC for storing the digital voltage sample,

a parallel-in-serial out shift register also connected to the ADC for storing the digital current sample,

circuits for obtaining the product of the instantaneous voltage and current values by applying the multiplication algorithms and obtaining the sum or subtracted values of the instantaneous current and voltage components and generate carry/borrow pulses.

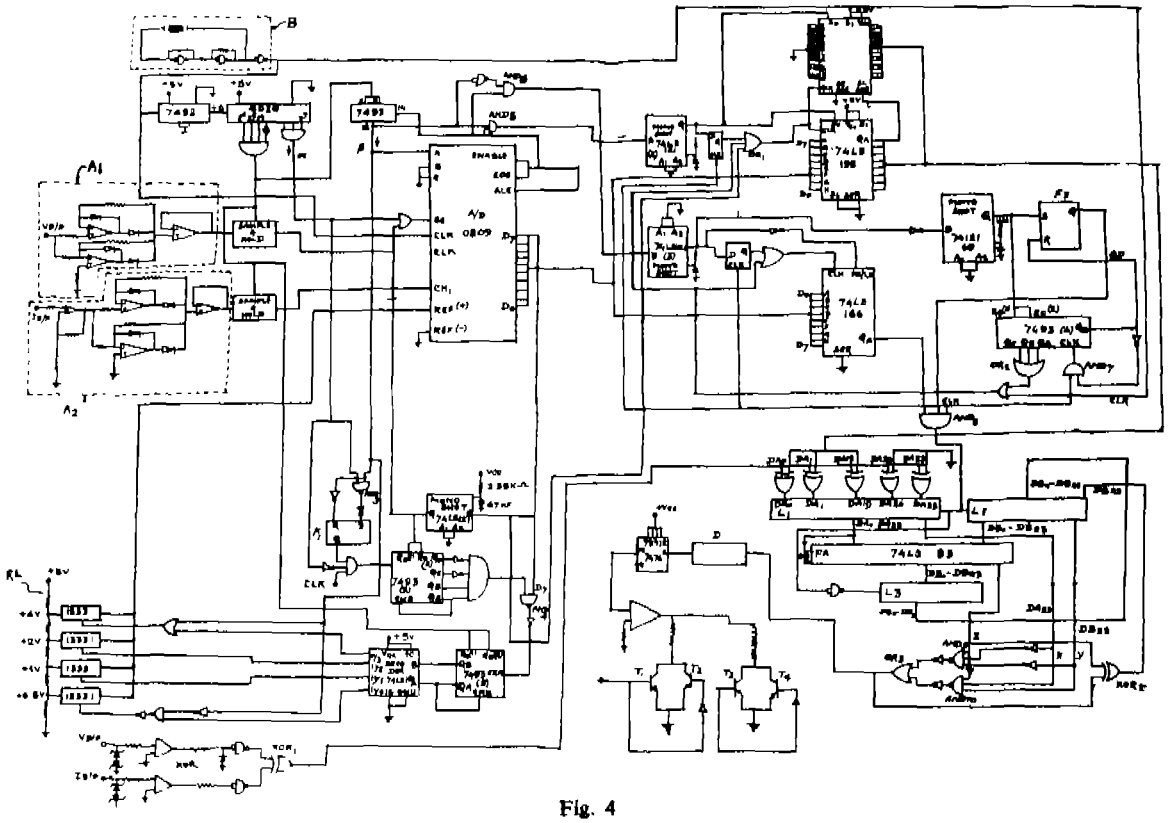


Fig. 4

Compl. Specn. 29 Pages. Drgs. 3 Sheets.
Provl. Specn. 8 Pages. Drg. Nil.

CLASS : 128-A. 168576
Int. Cl. : A 61 f 13/16, 13/18;
B 31 d 1/04.

A METHOD OF PREPARING A NONWOVEN FACING MATERIAL HAVING IMPROVED STAIN RESISTANCE.

Applicant : CHICOPEE, OF 317 GEORGE STREET, NEW BRUNSWICK, N. J. 08933, U.S.A.

Inventors : (1) MICHAEL R. FECHILLAS, (2) ROGER BOULANGER, (3) EROL RAN.

Application No. 394/Cal/87, filed on 18th May, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A method of making a nonwoven facing material with improved stain resistance, said facing material comprising a web of hydrophobic staple fiber such as polyester, acrylic, orlon or nylon fibers, said fibers, said fibers being bonded with an absorbent binder, and facing material being overcoated with a repellent material such as wax based solutions or emulsions of fluoro chemical repellent material comprising the steps of

(i) forming a web of said hydrophobic staple fibers,

(ii) applying said absorbent binder material to said web,

(iii) curing the said binder material, and

(iv) applying said repellent material on said bonded web as overcoat, characterised in that said binder is applied in an intermittent manner on said web in a manner as herein described and curing the same to obtain an intermittently bonded web so as to give a final overcoated facing material having improved stain resistance in terms of reduced stain area and stain intensity.

Compl. Specn. 13 Pages. Drgs. 7 Sheets.

CLASS : 7, 11-C, D. 168577
Int. Cl. : A 01 m 1/00, 23/00.

ANIMAL TRAP.

Applicant : MELVIN MILLARD MELTON, OF 511 AVENIDA DEL MAR, UNIT C, SAN CLEMENTE, CALIFORNIA 92672, U.S.A.

Inventor : MELVIN MILLARD MELTON.

Application No. 467/Cal/87, filed on 15th June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

An animal trap comprising :

a fully enclosed container having a top surface, a portion of said top surface having a slot, exposing the trigger side, of an elongated swinging door, said swinging door having a non-trigger side that is marginally heavier than said trigger side, said trigger side and said non-trigger side being obtusely angled relative to one another and being integral to one another at a fulcrum positioned beneath said top surface, whereby the weight of an insect on said trigger side rotates said swinging door until said non-trigger side engages said top surface.

Compl. Specn. 18 Pages. Drgs. 4 Sheets.

CLASS : 145-D. 168578
Int. Cl. : D 21 f 5/00.

AN APPARATUS FOR ASSISTING THE TRANSFER OF A WEB TO A DRYING SECTION.

Applicant : BELOIT CORPORATION OF P.O. BOX 350, BELOIT, WISCONSIN 53511, U.S.A.

Inventor : GREGORY LYNN WEDEL.

Application No. 548/Cal/87, filed on 15th July, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

22 Claims

An apparatus for assisting the transfer of a web disposed contiguous relative to a transfer felt such that the web is transferred from a lead-in roll disposed adjacent to a press section to a first dryer of a paper making machine dryer section, said apparatus comprising :

an intermediate support roll disposed between the lead-in roll and the first dryer such that the transfer felt is disposed between the web and said intermediate roll;

a first transfer box disposed between the lead-in roll and said intermediate roll such that the transfer felt is disposed between the web and said first box, said first transfer box being oriented relative to the transfer felt such that a partial vacuum is generated between said first box and the transfer felt for drawing the web into close conformity with the transfer felt between the lead-in roll and said intermediate roll; and

a second transfer box disposed between said intermediate roll and the first dryer such that the transfer felt is disposed between the web and said second box, said second box being oriented relative to the transfer felt such that a partial vacuum is generated between the transfer felt and said second box for drawing the web into close conformity with the transfer felt between said intermediate roll and the first dryer such that any tendency of the web to droop relative to the transfer felt between the lead-in roll and the first dryer is inhibited.

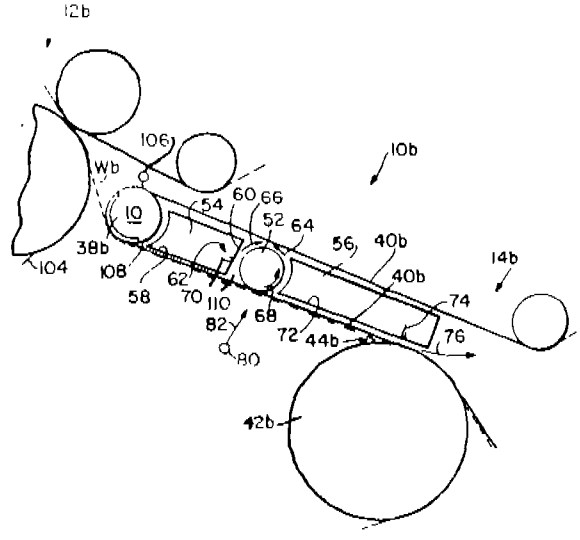


Fig. 3

Compl. Specn. 35 Pages. Drgs. 5 Sheets.

CLASS : 206-E. 168579
Int. Cl. : G 06 f 1/00.

AUDIO CHANNEL SYSTEM FOR OUTPUTTING AN ANALOG SIGNAL CORRESPONDING TO A SOUND WAVEFORM IN A PERSONAL COMPUTER SYSTEM.

Applicant : COMMODORE-AMIGA, INC., OF 983 UNIVERSITY AVENUE, LOS GATOS, CALIFORNIA 95030, U.S.A.

Inventors : (1) GLENN JAY KELLER, (2) JAY GLENN MINER.

Application No. 557/Cal/87, filed on 17th July, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

10 Claims

An audio channel system for outputting an analog signal corresponding to a sound waveform in a personal computer system, wherein the personal computer system includes a processor, a system memory storing data, and a data bus coupled to the audio channel system, and wherein the audio channel system comprises :

period data storing means such as herein described coupled to the data bus for storing audio period data in response to a first enable signal;

period counter means such as herein described coupled to the period data storing means for storing count;

means such as herein described coupled to the period counter means and responsive to a clock signal and the period count for changing the period count by providing a period load signal and a period count control signal to said period counter means;

sound data control means such as herein described coupled to the period counter means for providing a sound data control signal at a frequency determined by the period count;

length data storing means such as herein described coupled to the data bus for storing audio length data in responsive to a second enable signal;

length counter means coupled to the length data storing means for storing a length count;

means such as herein described coupled to the length counter means and responsive to a clock signal and the length count for changing the length count by providing a length load signal and a length count control signal to the length counter means;

request means such as herein described coupled to the period counter means and the length counter means for providing a request to cause sound data stored in the system memory to be placed on the data bus, wherein the sound data corresponds to the sound waveform;

sound data storing means such as herein described coupled to the sound data control means for storing the sound data corresponding to the sound waveform in response to the second data control signal;

conventional D-to-A converter means coupled to the sound data storing means for converting the sound data corresponding to the sound waveform to an analog signal; and

known means for outputting the analog signal corresponding to the sound waveform from the D-to-A converter means to an audio port.

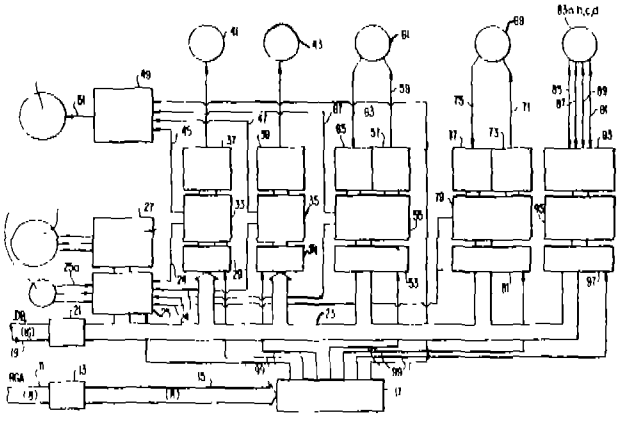


Fig. 1

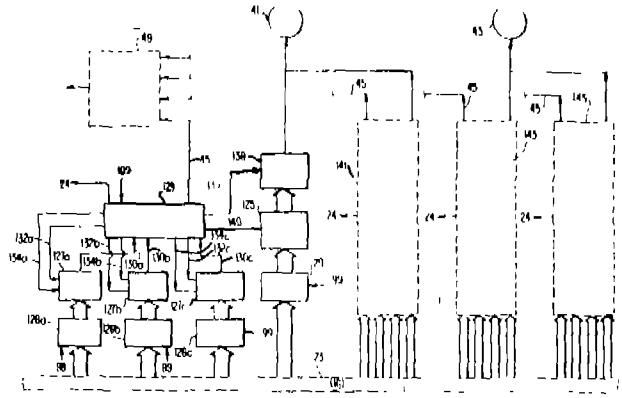


Fig. 4

Compl. Specn. 21 Pages. Drgs. 5 Sheets.

CLASS : 69-A, D, F1, J. 168580
Int. Cl. : H 02 b 3/00.

A DEVICE FOR CONTROLLING A PREFERABLY REMOTE-CONTROLLED SWITCHGEAR USED FOR FEEDING POWER TO A GRID.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELS BACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventors : (1) PROF. DR. GERHARD TRENKLER, (2) DR. REINHARD MAIER, (3) KURT GOTH.

Application No. 593/Cal/87, filed on 31st July, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

A device for controlling a preferably remote-controlled switchgear used for feeding power to a grid, comprising a pulse generator connected to said grid for feeding pulses to said grid and an evaluating circuit connected to said pulse generator (to) to evaluate at least one response signal from said grid indicative of the instantaneous peak power supplied to said grid by (in response to) said pulses from said pulse generator, said circuit including comparison means for comparing said response signal to pre-selected reference values, said comparison means generating a blocking signal for blocking the switchgear when said response signal exceeds said reference values.

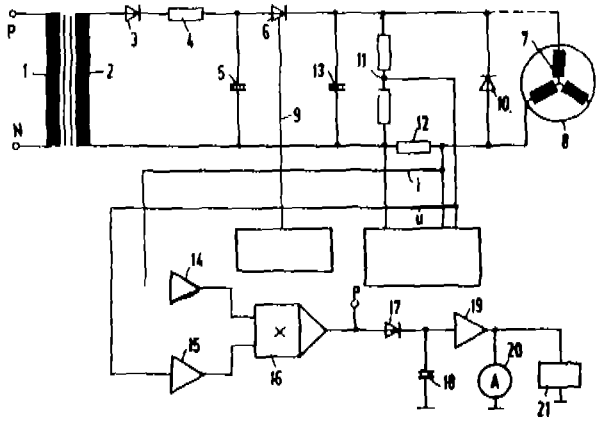


Fig. 1

Compl. Specn. 10 Pages. Drgs. 2 Sheets.

Ind. Cl.: 83—B3—[GROUP—XIV (5)] 168581
Int. Cl.[4]: A 23 L 3/10

A PROCESS FOR PRODUCING STERILIZED FOOD.

Applicant: SOCIETE DES PRODUITS NESTLE S.A., P.O. BOX 353, 800 VEVEY, SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND.

Inventors: (1) COLLYER STEPHEN GEORGE & (2) HERSOM ALBERT CHARLES.

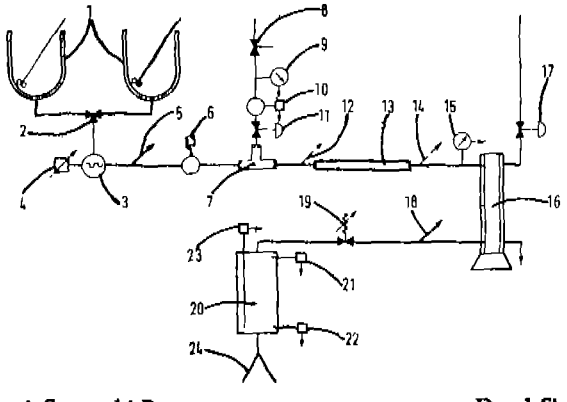
Application No. 717/Mas/86, filed on 5th September, 1986.

Convention date: November 5, 1985; (No. 8527221; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A process for producing sterilised food comprising heating the food feed stock with pressurised steam to a temperature in the range of 50°C to 150°C maintaining the said sterilization temperature by monitoring and controlling the flow rate of steam and the feed rate of the food feed stock.



Compl. Specn. 14 Pages. Drg. 1 Sheet.

Ind. Cl.: 197—[GROUP—XLIII (5)] 168582
Int. Cl.[4]: E 04 G 19/00

AN APPARATUS FOR CLEANING THE INSIDE OF A ROOM.

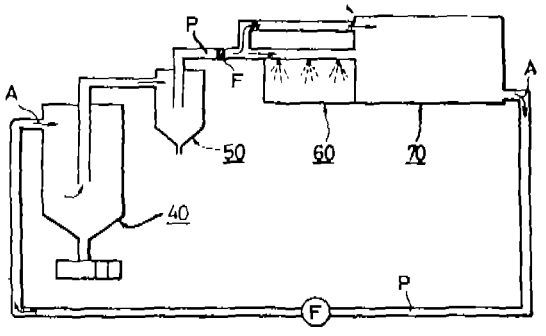
Applicant & Inventor: MASAHIKO IZUMI, OF 13-14, NISHI-MAGOME, 2-CHOME, OOTA-KU, TOKYO, JAPAN; A JAPANESE CITIZEN.

Application No. 723/Mas/86, filed on 9th September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

An apparatus for cleaning the inside of a room comprising an atomizer having an air inlet at its upper portion and an air outlet pipe extending vertically from the centre portion, the air outlet pipe is coaxially surrounded by a water injection pipe having a plurality of water injection nozzles, one or more heat exchange pipes are arranged along the inner wall of the atomizer, the lower end of the atomizer is provided with a filter, water tank and a pump for recirculating water through the atomizer, the said air outlet pipe is connected to the water removing cyclone, which is connected to a heat exchanger for maintaining the temperature of the air, the air outlet of the heat exchanger is connected to the room via a filter for eliminating large mist particles, and with means for recirculating the used air back to atomizer.



Compl. Specn. 16 Pages. Drgs. 4 Sheets.

Ind. Cl.: 107—J—[GROUP—XLVI (2)] 168583
Int. Cl.[4]: F 02 N 11/00

STARTER DEVICE FOR INTERNAL COMBUSTION ENGINES FOR MOTOR VEHICLES.

Applicant: MAGNETI MARELLI S.p.A., AN ITALIAN JOINT STOCK COMPANY OF PIAZZA S., AMBROGIO 6, MILANO, ITALY.

Inventors: (1) GIOVANNI FAZZINI, (2) PAOLO COCIANI & (3) ENRICO BETTINI.

Application No. 745/Mas/86, filed on 22nd September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

Starter device for an internal combustion engine, particularly for motor vehicles, comprising

a support casing (1),

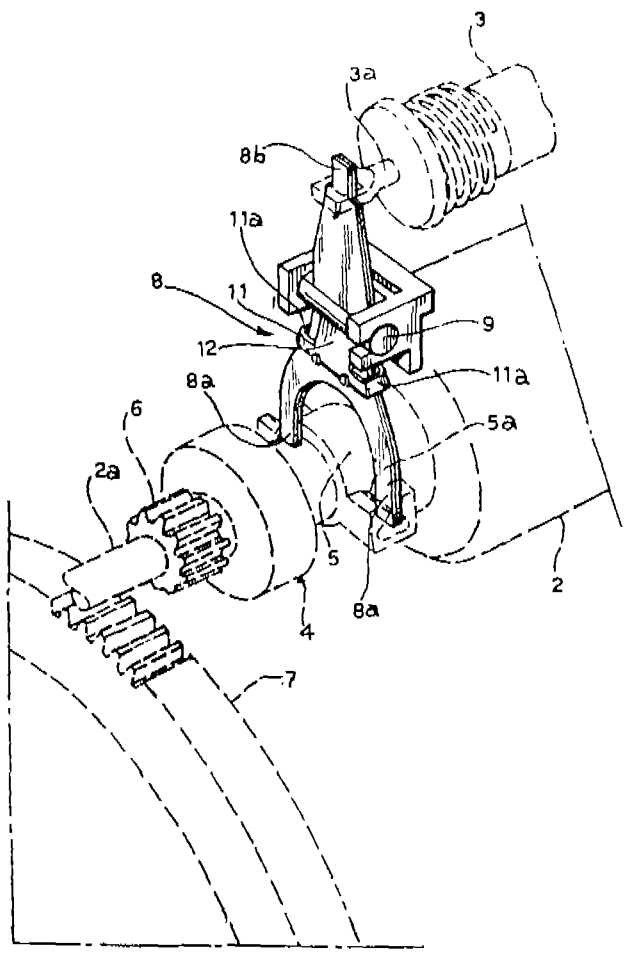
a tranalatable pinion (6) to engage a set of teeth on the flywheel (7) of an internal combustion engine,

an operating electromagnet (3),

a flexible transmission lever (8) having its ends (8a, 8b) coupled to the armature (3a) of the electromagnet (3) and to a movable member (5) for driving the pinion (6), the lever (8) extending through a slot (9a) in an articulation pin (9) rotatably supported within the casing (1), and

an electric motor (2) for rotating the pinion (6),

characterized in that the articulation pin (9) has retaining means (11) for preventing the movement of the lever (8) away from the member (5) for driving the translation of the pinion (6), the said retaining means having two stop members (11a) adjacent the end sides or edges of the slot (9a) on its side facing the sleeve (5); the stop members (11a) engages the outer side edges of the forked portion (8a) of the transmission lever (8).



Compl. Specn. 8 Pages. Drgs. 3 Sheets.

Ind. Cl.: 126 D [GROUP—LVIII (6)] 168584
Int. Cl.[4]: G 01 R 15/04, G 01 R 15/06, H 01 H 33/53, H 02 B 1/08.

VOLTAGE MEASURING DEVICE OF A HIGH VOLTAGE CONDUCTOR OF A METALCLAD INSTALLATION.

Applicant: MERLINGERIN, OF RUE HENRI TARZE, F 38050 GRENOBLE CEDEX, FRANCE, A FRENCH COMPANY.

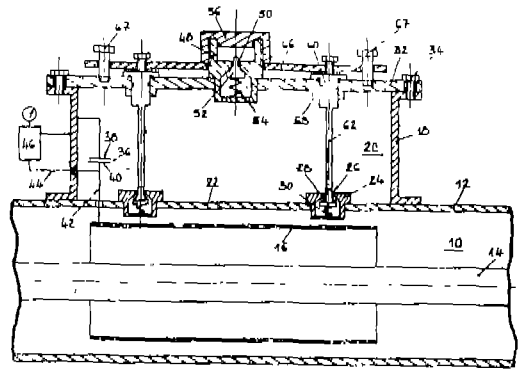
Inventors: (1) GEORGES HENRY (2) ROBERT GIRARD & (3) JEAN KIEFFER.

Application No. 761/Mas/86, filed on 26th September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A voltage measuring device for a high voltage conductor of a metalclad installation, having a sealed enclosure filled with a high dielectric strength gas, a sealed compartment located outside said enclosure and separated by a wall from the enclosure, a conductor housed in said enclosure, a capacitive divider comprised of a high voltage capacitor and a low voltage capacitor connected in series, the high voltage capacitor is housed in said enclosure and comprising said conductor and an electrode surrounding said conductor and the low voltage capacitor being located in said compartment and electrically connected to said electrode by a conductor passing through the said wall, said compartment having a orifice for filing dielectric gas and a communication orifice with said enclosure, said orifices being fitted with valves for said compartment to communicate selectively with the enclosure and a filling duct connected to the filling orifice.



Compl. Specn. 11 Pages. Drgs. 2 Sheets.

Ind. Cl.: 129 J [GROUP—XXXV] 168585
Int. Cl.[4]: B 21 H 1/00

STRAIGHTENER ROLL MACHINE FOR BRAKE SHOE.

Applicant: AKEBONO BRAKE INDUSTRY CO., LTD., OF NO. 19-5, KOAMI-CHO, NIHONBASHI, CHUO-KU, TOKYO, JAPAN, A JAPANESE COMPANY.

Inventor: SHIGEYOSHI KOBAYASHI.

Application No. 774/Mas/86, filed on 30th September, 1986.

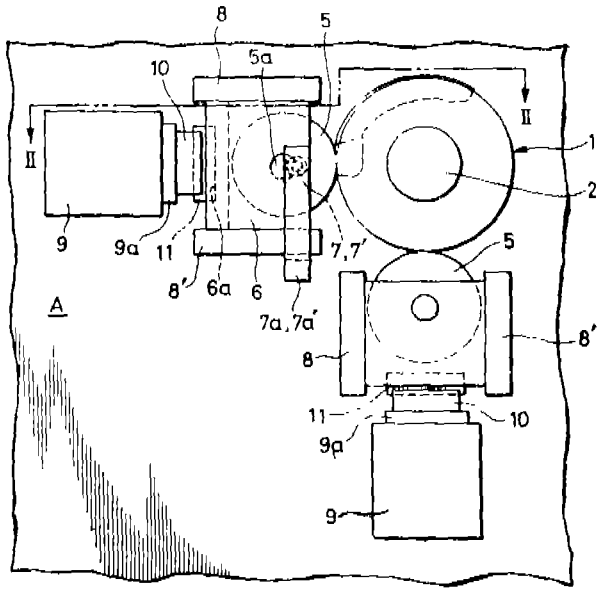
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

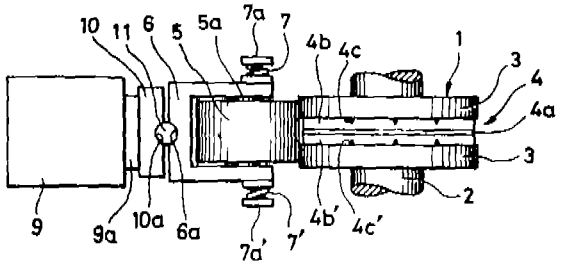
7 Claims

A straightener roll machine for a brake shoe comprising :

a main roll pivotally carried by a frame fixed to a base in such a manner as to rotate on its own axis, said main roll having a groove for receiving a web of a brake shoe, lands on both sides of said groove against which the inner peripheral face of a rim is abuttable and a flange fixed to an outer side of each land wherein a difference in level between said land and said flange is smaller than the thickness of a rim of said brake shoe; and

a dependent roll pivotally carried by the base and positioned facing said main roll.





Compl. Specn. 15 Pages. Drgs. 2 Sheets.

Ind. Cl. : 24—F & D[—[GROUP—LV] 168586
Int. Cl.[4] : F 16 D 65/00

AN IMPROVED BRAKE ASSEMBLY.

Applicant : DANA CORPORATION OF 4500 DORR STREET, TOLEDO, OHIO 43615, U.S.A., A CORPORATION OF THE STATE OF VIRGINIA, U.S.A.

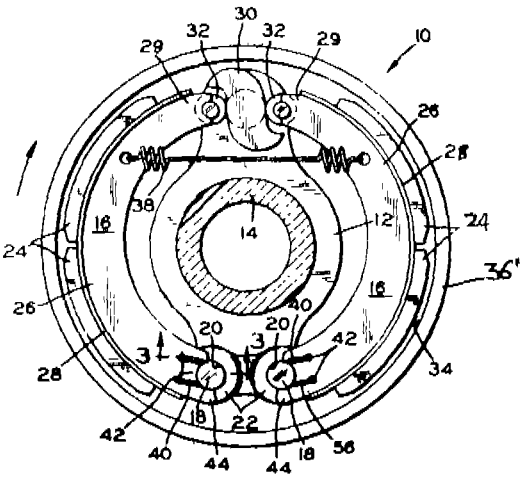
Inventor : FRANK W. ZAWODNI.

Application No. 780/Mas/86, filed on 3rd October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

An improved brake assembly comprising a brake drum, a pair of brake shoes with a pair of webs supporting each of said shoes, said webs having adjacent ends pivotally mounted to a pair of anchor pins, actuating means disposed between the opposite ends of said shoes to pivot said shoes into frictional contact with said drum; a pair of unitary retainers engaging each of said anchor pins, a first retainer of each pair of retainers being located adjacent one web of each said pair of webs and a second retainer of each pair of retainers being located adjacent the other web of each said pair of webs, each retainer having an arcuate portion partially encircling a respective one end of one of said anchor pins, each retainer comprising a pair of spaced legs, each leg having an integral hook on the end thereof in engagement with one of said webs, said spaced legs being substantially parallel, said legs extending in the same direction from opposed sides of said arcuate portion of said retainer whereby each of said pairs of web is circumferentially retained by one of said pairs of retainers against one of said anchor pins.



Compl. Specn. 11 Pages. Drg. 1 Sheet.

Ind. Cl. : 154 D[GROUP—XXXVII (1)] 168587
Int. Cl.[4] : C 09 J 7/04

PAPER WEBS COATED WITH REMOISTENABLE ADHESIVE.

Applicant : THE WIGGINS TEAPE GROUP LIMITED, P.O. BOX 88, GATEWAY HOUSE, BASING VIEW, BASINGSTOKE, HAMPSHIRE RG 21 2EE, ENGLAND, A BRITISH COMPANY.

Inventor : PETER SINCLAIR.

Application No. 785/Mas/86, filed on 6th October, 1986.

Convention date 4-10-1985 No. 8524584 (United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

A paper web coated uniformally over one surface thereof with a discontinuous coating of a remoistenable adhesive in the form of screen coated discrete dots of the adhesive deposited directly onto and adherent to the paper leaving a considerable portion of said one surface uncoated, wherein the said coating of discrete discontinuous dots are formed by applying a aqueous coating mix of a known remoistenable adhesive mix on the paper.

Compl. Specn. 32 Pages. Drg. Nil.

Ind. Cl.: 53 A [GROUP—LII (5)] 168588
Int. Cl.[4]: B 62 J 6/00

AN ELECTRICITY GENERATOR FOR BICYCLES.

Applicant: ROGER ARNESON, OF PRYTZGATAN 13, 431 31 MOLNDAL SWEDEN, A SWEDISH NATIONAL.

Inventor: ROGER ARNESON.

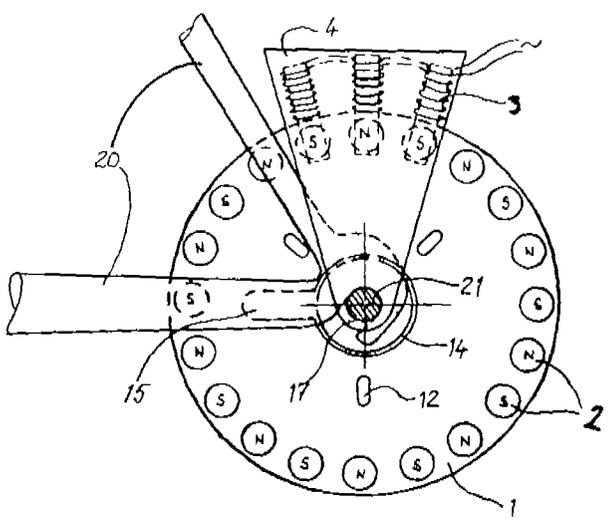
Application No. 799/Mas/86, filed on 9th October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

An electricity generator for illumination of bicycles during their advancement, comprising :

a disc (1) having circumferentially disposed permanent magnets (2), said disc is clamped via means (6; 7; 8; 22) to the rotatable hub (5) of a bicycle wheel, and at least one stator (4) having a core (10) of magnetic iron and a field coil (3), said stator being mounted on an arm, running from an end of the axle (21) and extends radially out to said circumference of the disc.



Compl. Specn. 5 Pages. Drgs. 3 Sheets

Ind. Cl.: 70 A [GROUP—LVIII (5)] 168589
Int. Cl.[4]: C 25 C 3/08

AN ELECTROLYTIC CELL SUITABLE FOR MOLTEN SALT ELECTROLYSIS AND A METHOD FOR PRODUCING THE SAME.

Applicant: MOSAL ALUMINIUM, ELKEM A/S & CO., A COMPANY INCORPORATED UNDER THE LAWS OF NORWAY OF MIDDELTHUNS GATE 27, OSLO 3, NORWAY.

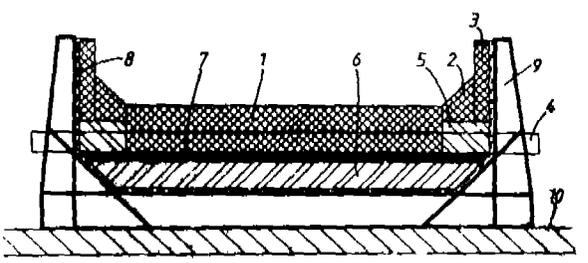
Inventor: JAN HVISTENDAHL.

Application No. 853/Mas/86, filed on 4th October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

An electrolytic cell suitable for molten salt electrolysis comprising a lining and an outer shell, the lining has assembled cathode components and insulating material components arranged on the assembled cathode components, the outer shell comprising cementatious material formed into a shell on the assembly of the components of the lining.



Compl. Specn. 11 Pages. Drgs. 1 Sheet.

Ind. Cl.: 83 A1 & 55 E4 [GROUP—XIV (5) & XIX (1)] 168590
Int. Cl.[4]: A 23 g 1/00; A 61 k 35/00

A METHOD OF PREPARING ASHWAGANDHA AYURVEDIC MILK CHOCOLATE.

Applicant & Inventor: GIRIVAS VISWANATH SHET, INDIAN NATIONAL MYSORE SANDAL PRODUCTS, SREE GOPALAKRISHNA TEMPLE BUILDING, POST BOX NO. 27, AMARVATHY, COCHIN-682 001, KERALA.

Application No. 305/Mas/90, filed on 23rd April, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A method of preparing "Ashwagandha Ayurvedic Milk Chocolate" which comprises of the following ingredients in the proportion indicated against them in weight by intimately mixing by usual conventional methods.

1. Ashwagandha	10 Parts
2. Solid Milk	10 Parts
3. Palm Sugar	10 Parts
4. Shatavari	5 Parts
5. Cocoa	10 Parts
6. Long Pepper	2 Parts
7. Dry Grapes	3 Parts

Compl. Specn. 4 Pages. Drg. 1 Sheet.

Ind. Cl.: 139—D[GROUP—IV (2)] 168591
Int. Cl.[4]: C 01 B 3/26

APPARATUS FOR THE PRODUCTION OF SYNTHESIS GAS.

Applicant: UHDE GMBH, FRIEDRICH-UHDE-STR. 15, 4600 DORTMUND 1, CHEMICAL MANUFACTURERS, A COR PORATION ORGANIZED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

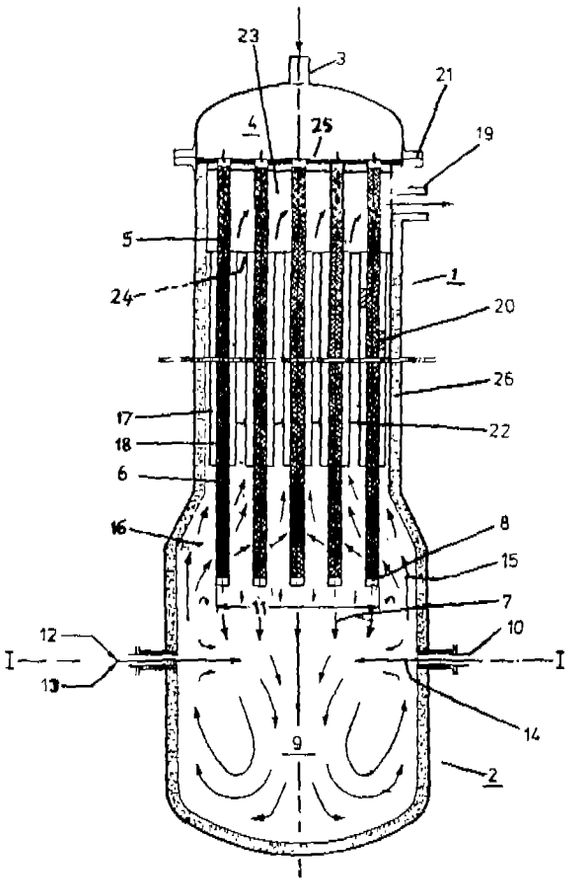
Inventors: (1) HANS-JOACHIM HERBORT & (2) HANS-DIETER MARSCH.

Application No. 609/Mas/86, filed on 30th July, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

An apparatus for the production of synthesis gas comprising a catalytic reforming section (1) consisting of a first cylindrical pressure vessel having an outlet nozzle (19) and a plurality of reformer tubes (6) capable of containing any known reformation catalyst, the said reformer tubes being positioned on a partition wall (25) provided in the first cylindrical pressure vessel, a partial oxidation section (2) consisting of a second cylindrical pressure vessel, and a plurality of inlet means (10), said reformer tubes (6) opening into said partial oxidation section (2), wherein the diameter of the said second cylindrical pressure vessel being larger than the diameter of the said first cylindrical pressure vessel, the central line of at least one of the said inlet means (10) being parallel to or inclined towards a notional radial line and a radial plane in which the said inlet means lies, the radial line having in said radial plane and extending between the inter section of the said central line with the interior surfaces of the said first and second pressure vessel, the radial plane being perpendicular to the longitudinal axis of the said partial oxidation section (2) and the said inlet means (10) being spaced from the ends of the said reformer tubes (6) opening into the partial oxidation section, the arrangement being such that a vortex is produced in the said partial oxidation section (2) when the rector is in operation.



Compl. Specn. 21 Pages. Drgs. 4 Sheets.

Ind. Cl.: 187—C1[GROUP—LXI (2)] 168592
Int. Cl.[4]: G 06 F 13/40

AN INTERBUS SYSTEM.

Applicant: TELENET COMMUNICATIONS CORPORATION, A DELAWARE CORPORATION, 12490 SUNRISE VALLEY DRIVE, RESTON, VIRGINIA 22096, UNITED STATES OF AMERICA.

Inventors: (1) GLENVILLE CHARLES ENESE FOWLER (2) DVID JOHN TOZER.

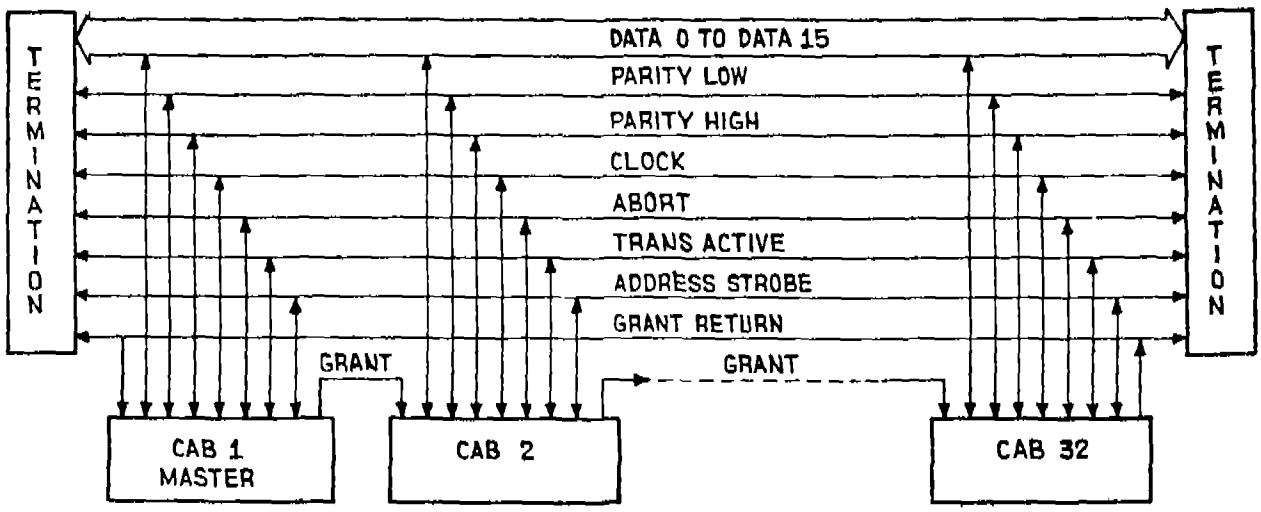
Application No. 662/Mas/86, filed on 18th August, 1986.

Convention date: September 3, 1985; (No. 8521806; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

An inter-bus system for interconnecting a plurality of communication systems by way of an interfacing means, characterized in that each communication system has an internal bus and a bus converter for interfacing its internal bus with the inter-bus system, one of the bus converters being designated as the master converter having means to initiate a grant pulse if it does not wish control of the inter-bus system for a transmission by its communication system, and to generate a clock signal to start each arbitration cycle, having a grant pulse return path by which the bus converters are chained together to carry the grant pulse around the chained bus converters until it encounters the bus converter of a communication system ready to commence an inter-bus system transmission, each bus converter having means responsive to the latter condition to break the chain and assume control of the inter-bus system by delaying passing of the grant pulse until its communication system performs the transmission required, and when the transmission is complete, to surrender its control by passing the grant pulse on, the grant pulse return path carrying the grant pulse; in sequence from bus converter to bus converter around the chain until the bus converter of the next communication system ready to transmit is encountered, whereupon that bus converter assumes control of the inter-bus system by delaying passage of the grant pulse, and so on until the grant pulse is returned via the grant pulse return path to the master bus converter to initiate the next arbitration cycle; the plurality of communication systems being interconnected by a first line and by a second line, said first line being made active by a transmitter associated with the bus converter in control of the inter-bus system and remaining active throughout the duration of a transmission, after which said first line is rendered inactive by the transmitter to allow the grant pulse to be passed on, said second line being rendered active by the presence of address data; and wherein each of the communication systems have monitoring means and interrogating means such that when a system other than the one performing the transmission is in a receiving mode the first and second lines are monitored and, if both are active, address data from the transmitting communication system is interrogated, and the system in receiving mode having that address monitors received data indicative of the number of bytes being transmitted and continues to accept data until the number of bytes received equals that byte count, and has means for generating an abort signal if data continues to be sent after the byte count is equated while the first line is active.



Compl. Specn. 13 Pages. Drg. 1 Sheet.

Ind. Cl.: 107 B 107 J [GROUP—XLVI (2)] 168593
Int. Cl.[4]: F 02 D 19/00, F 02 D 19/10

DUAL FUEL COMPRESSION IGNITION ENGINE.

Applicant: GASPOWER INTERNATIONAL LIMITED, A BRITISH COMPANY OF GOSFORTH ROAD, ASCOT DRIVE INDUSTRIAL ESTATE, DERBY DE2 8HY, UNITED KINGDOM.

Inventor: TIMOTHY JAMES BEDFORD.

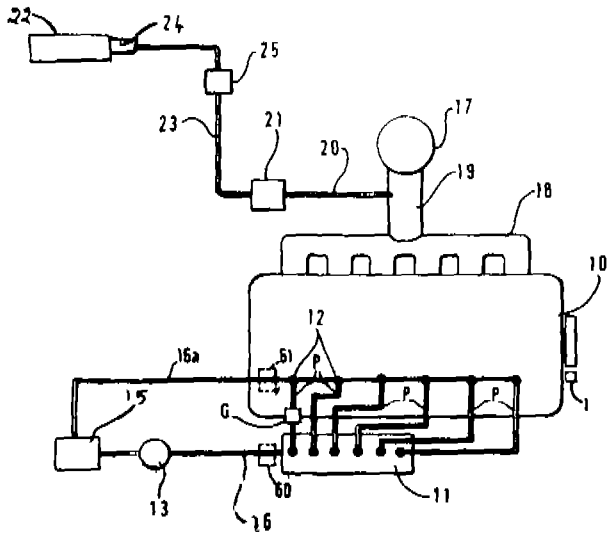
Application No. 666/Mas/86, filed on 19th August, 1986.

Convention date: 24-8-1985 No. 8521244 (United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

25 Claims

A dual fuel compression ignition engine having a gas fuel supply system for the engine, a system to supply pilot fuel comprising diesel for the engine including an injection pump and an injector system, a control means to control the amount of pilot diesel fuel injected into the engine, a first means to provide a first input to the control means to cause the control means to supply pilot fuel at a predetermined rate in accordance with at least one operating parameter of the engine and second means to provide a second input to said control means from a feed-back signal indicative of the amount of pilot diesel fuel injected into the engine and the control means being adapted to adjust the supply of the pilot fuel to correspond to that signalled by the first input.



Compl. Specn. 24 Pages. Drgs. 3 Sheets.

Ind. Cl.: 98 D [GROUP—VII (2)] 168594
Int. Cl.[4]: H 05 K 7/20

DEVICE FOR PREHEATING LIQUID FUELS USED FOR COMBUSTION AND FOR POWERING ENGINES.

Applicant: LACREX BREVETTI SA, VIA ECO 53, CH 6644 ORSELINA, SWITZERLAND, A SWISS COMPANY.

Inventor: MAX PASBRIG.

Application No. 708/Mas/86, filed on 2nd September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A device for preheating fuels used for combustion and for powering engines, comprising:

a thermal-insulating outer jacket having an inner surface;

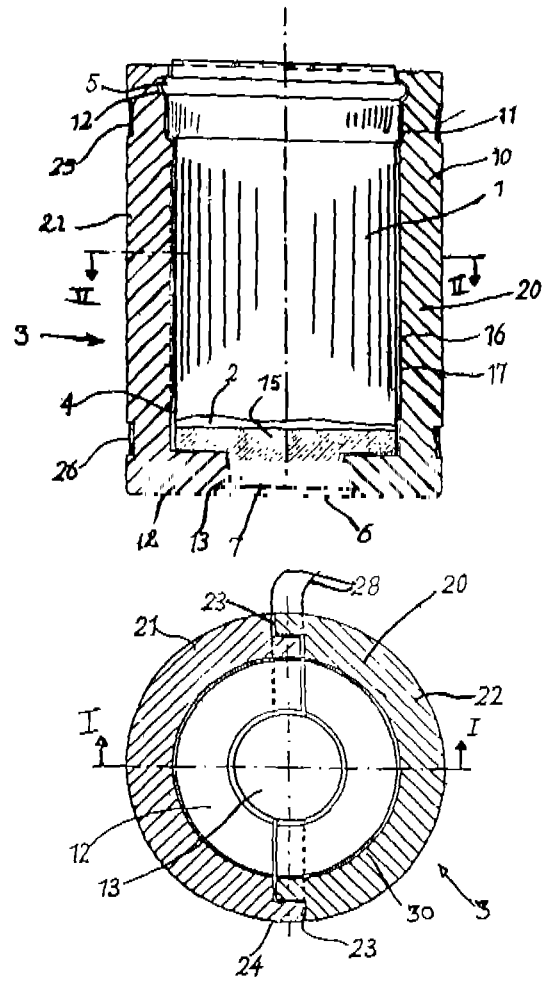
said thermal-insulating outer jacket comprising a substantially rigid, dimensionally stable insulating jacket;

a heat source comprising a known superficial heating element provided at said inner surface of said thermal-insulating outer jacket;

said superficial heating element comprising at least one exposed and substantially tear-resistant contact surface capable of being brought into contact with a container for liquids to be preheated without being damaged;

said thermal-insulating outer jacket and said superficial heating element conjointly forming a preheating body structured for attachement to the container for liquids to be preheated; and

said inner surface of said thermal-insulating outer jacket at least in the region of said superficial heating element conform with at least part of an outer contour of said container for liquids to be preheated, in order to ensure for good heat transfer between said superficial heating element and the container.



Compl. Specn. 15 Pages. Drg. 1 Sheet.

Ind. Cl.: 92 F [GROUP—I (3)] 168595
Int. Cl.[4]: A 23 F 5/04, A 23 N 12/08.

APPARATUS AND PROCESS FOR ROASTING COFFEE.

Applicant: SOCIETE DES PRODUITS NESTLE S.A., CASE POSTALE 353, 1800 VEVEY, SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND.

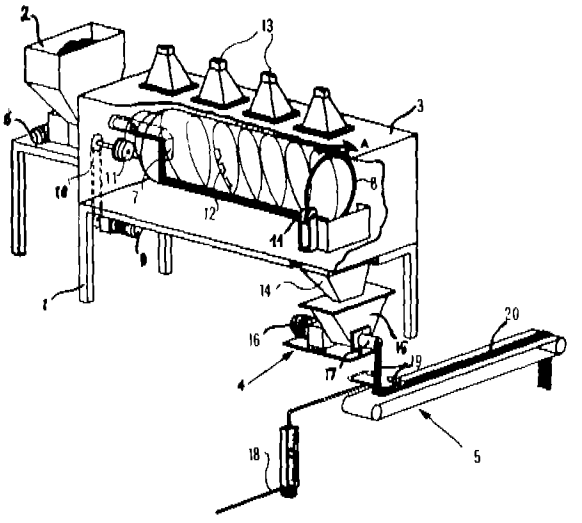
Inventors: (1) TOAL LE VIET & (2) BERNARD TRUCHEMENT.

Application No. 728/Mas/86, filed on 11th September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

An apparatus for roasting coffee comprising a horizontal rotatable cylindrical tube housed in a microwave chamber with at least one microwave source, a hopper for receiving the coffee from the said tube, and a quenching zone which communicates with the said hopper to receive roasted coffee from the said hopper, wherein the said tube has an inlet for accepting coffee to be roasted, means for transporting the coffee to be roasted through the said tube and an outlet for discharging the roasted coffee to the said hopper, and the said hopper has a motor driven helical screw and means for varying and regulating feed rate of the roasted coffee out of the said hopper.



Compl. Specn. 11 Pages. Drgs. 2 Sheets.

Ind. Cl.: 32—F. 2(c) & 62—A. 1 [GROUPS—IX (1) & XXII (1)] 168596
Int. Cl.[4]: C 07 C 103/127, D 06 M 13/38

A PROCESS FOR PREPARING A FABRIC TREATMENT AGENT.

Applicant: HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF HENKELSTRASSE 67, DUSSELDORF, DEUTSCHLAND.

Inventors: (1) RUDOLF VEITENHANSL, (2) WOLFGANG FROSCHKE, (3) PETER WALTENBERGER & (4) GUNTER UPHUES.

Application No. 736/Mas/86, filed on 17th September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A process for preparing a fabric treatment agent which comprises reacting aliphatic C_{10}—C_{22} mono carboxylic acids or amide forming derivatives thereof with a polyamine having a general formula

$$H_2N-[-(CH_2)_n-N(R)-]_m-R'$$

in which R represents hydrogen, methyl, ethyl or hydroxyethyl, R' represents hydrogen, methyl, ethyl, hydroxyethyl or—$(CH_2)_n$—NHR, n is an integer of from 2 to 4 and m is an integer of from 1 to 4, in a molar ratio of from 1 : 1 to 3 : 1, neutralizing the product thus obtained with a 1.0 to 1.3 fold quantity of a non-oxidising inorganic acid, based on the equivalents of unreacted amino groups.

Compl. Specn. 12 Pages. Drg. Nil.

Ind. Cl.: 206—E—[GROUP—LXII] 168597
Int. Cl.[4]: H 02 M 11/00

AN INTERFACE DRIVER.

Applicant: UNION SWITCH & SIGNAL INC., P.O. BOX 420, PITTSBURG, PA 15230-0420, U.S.A., A U.S. COMPANY.

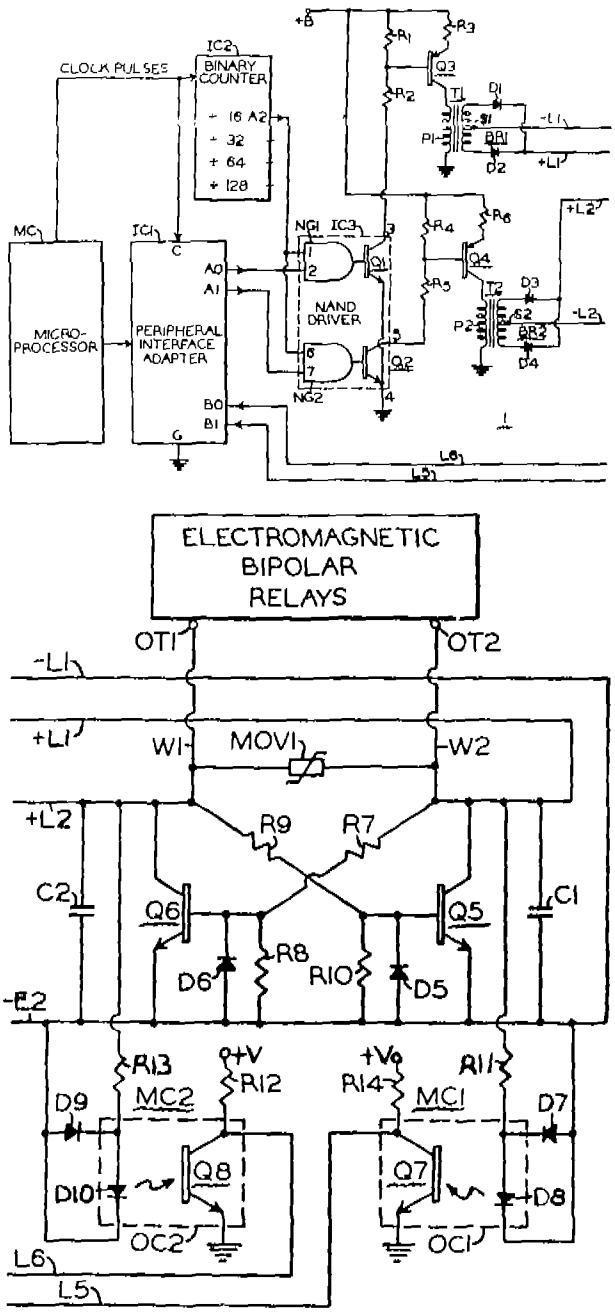
Inventors: (1) RICHARD D. CAMPBELL & (2) JOHN O.G. DARROW.

Application No. 819/Mas/86, filed on 16th October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

18 Claims

An interface driver for producing a bipolar voltage on a pair of output terminals comprising, a peripheral interface adapter circuit conditioned by control data to establish a first and a second electrical signal, a logic circuit connected to said peripheral interface adapter circuit said logic circuit having a first gate connected to a source of clock pulses and activated by said first electrical signal and having a second gate connected to said source of clock pulses and activated by said second electrical signal, a first switching amplifier connected to said first gate for generating a.c. signals when said first gate is activated and a second switching amplifier is connected to said second gate for generating a.c. signals when said second gate is activated, a first rectifier connected to said first switching amplifier for converting the a.c. signals of said first switching amplifier to a first d.c. voltage and a second rectifier connected to said second switching amplifier for converting the a.c. signals of said second switching amplifier to a second d.c. voltage, a first switching circuit connected to said first rectifier and conditioned by said first d.c. voltage to produce one polarity of voltage on the pair of output terminals and a second switching circuit connected to said second rectifier and conditioned by said second d.c. voltage to produce the opposite polarity of voltage on the pair of output terminals, and a monitoring circuit connected to said first and second switching circuits and conditioned by said first and second d.c. voltages to verify the polarity of the voltage on the pair of output terminals.



Compl. Specn. 24 Pages. Drgs. 2 Sheets.

Ind. Cl.: 99—E & 179—A [GROUPS—XL (4) & XL (6)] 168598
Int. Cl.[4]: B 65 D 53/00

A PROCESS OF MAKING A SEALED CONTAINER

Applicant : CMB PACKAGING (UK) LIMITED, OF CAVERSHAM BRIDGE HOUSE, WATERMAN PLACE, READING BERKSHIRE RG1 8DN, ENGLAND.

Inventors : (1) JOHN ALFRED PERIGO & (2) GEOFFREY TUCKER.

Application No. 861/Mas/88, filed on 1st December, 1988.

Convention date : May 14, 1984; (No. 8412244; United Kingdom.)

[Divisinal to Patent No. 165092; (359/Mas/85); Ante-dated to May 13, 1985].

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A process of making a sealed container capable of aseptically packing a product therein, comprising a container body and a cover, said cover having a peripheral cover portion having an upstanding chuck wall and a seaming panel merging with the chuck wall and a terminal cover curl, said container body having a side wall terminating in a peripheral body portion having a sidewall end portion and a seaming flange merging with the sidewall end portion, the said process comprising the steps of :

(A) providing the body and cover in a substantially sterile condition;

(B) locating the seaming panel in overlying contact with the seaming flange to create an initial sealing interface therebetween which defines a continuous seal, while locating the chuck wall within the sidewall end portion;

(C) removing the body and cover from the said sterile conditions while maintaining the body and cover in their relative location provided in step (B) and preserving initial sealing interface;

(D) under non-sterile conditions progressively deforming the peripheral cover and body portions transversely inwardly to interlock them; and

(E) under non-sterile conditions squeezing the peripheral cover and body portions together to form a double seam;

wherein :

— in step (B), the chuck wall is located out of contact with the sidewall end portion;

— step (D) comprises applying directly to the seaming panel, and progressively around it, a force perpendicular to a tangent to the initial sealing interface, thereby holding the seaming panel against the seaming flange at the initial sealing interface in the direction of the said force, while progressively deforming the peripheral cover and body portions as aforesaid, without bringing the sidewall end portion into contact with the chuck wall and without significant relative movement between the seaming panel and flange at the initial interface so that said continuous seal is maintained without interruption; and

— step (E) comprises applying directly to seaming panel, and progressively around it, a substantially transverse inward force perpendicular to a tangent to the initial sealing interface, thereby reducing the sidewall end portion in girth and forcing it against the chuck wall while squeezing the peripheral cover and body portions together, without significant relative

movement between the seaming panel and flange at the initial sealing interface, so that said continuous seal is maintained without interuption,

whereby the initial interface is preserved in the double seam.

Compl. Specn. 23 Pages. Drgs. 3 Sheets.

Ind. Cl.: 84—A—[GROUP—XXXII (2)] 168599
Int. Cl.[4]: C 10 J 3/46

NON-CATALYTIC TWO-STAGE UPFLOW PROCESS FOR GASIFICATION OF A CARBONACEOUS MATERIAL.

Applicant: THE DOW CHEMICAL COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 2030 DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A.

Inventors: (1) JOHN PORTER HENLEY, (2) STANLEY RAY PEARSON & (3) BRUCE CHARLES PETERS.

Application No. 894/Mas/86, filed on 19th November, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A non-catalytic two-stage upflow process for gasification of a carbonaceous material, which process comprises (a) combusting in a fired horizontal slagging reactor a stream comprising an oxygen-containing gas and a first increment of a slurry of upto 70 percent by weight particulate carbonaceous material in a liquid carrier at a temperature of between 2400°F (1316°C) and 3000°F (1649°C) and at a pressure of from 50 psig (345 KPa gage) to 450 psig (3100 KPa gage) by means of opposed horizontal burner nozzles, thereby evolving heat and converting the oxyyen, the carbonaceous material, and the carrier liquid into stema, vapor from the carrier liquid, slag, char, and gaseous combustion products; and (b) contacting, in an unfired vertical heat recovery unit, the steam, vapor from the carrier liquid, char, and gaseous combustion products from the fired horizontal reactor with a second increment of a slurry of upto 70 percent by weight particulate carbonaceous material in a liquid carrier at a temperature of between 1600°F (871°C) and 2000°F (1093°C), thereby recovering the heat evolved in the reactor and converting the carbonaceous material and carrier liquid into steam, vapor from the carrier liquid, synthesis gas and char, wherein the oxygen containing gas is air and the initial atomic ratio of free elemental oxygen to carbon in the reactor is between 1.5 : 1 and 2.5 : 1.

Compl. Specn. 23 Pages. Drg. 1 Sheet.

Ind. Cl.: 42 A$_2$ [GROUP XVI] 168600
Int. Cl.[4]: A 24 D 1/02.

IMPROVEMENTS RELATING TO SMOKING ARTICLES.

Applicant: BRITISH-AMERICAN TOBACCO COMPANY LIMITED, OF WESTMINSTER HOUSE, 7 MILLBANK, LONDON SW1P 3JE, ENGLAND, A BRITISH COMPANY.

Inventor: JOHN ANTHONY LUKE.

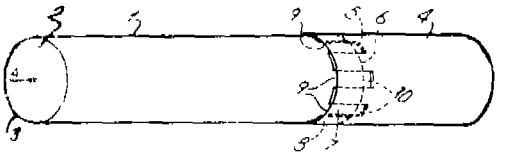
Application No. 968/Cal/86, filed on 12th December, 1986.

Convention dated 23-12-1985 No. 8531660 (United Kingdom)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

11 Claims

A smoking article comprising a smoking material rod, a mouthpiece and a tipping wrapper, said wrapper being attached to but spaced from the underlying peripheral surfaces of said rod and said mouthpiece at first, lengthwise extending, circumferentially spaced zones by spacing means, and said wrapper being unattached to, and being spaced from, said peripheral surfaces at second zones intermediate said first zones to provide ventilation ducts each lengthwise extending from a first, open end at said rod to a second end at said mouthpiece.



Compl. Specn. 9 Pages. Drg 1 Sheet.

Ind. Cl.: 85 O [XXXI] 168601
Int. Cl.: F 27 b—3/04, 19/02.

A COAL FIRED FURNACE FOR POWDER METALLURGY.

Applicant & Inventor: SUBHANJAN MOHANTY, INDIAN NATION AT MA-13, LAXMI NAGAR, NAGPUR-440 002 STATE OF MAHARASHTRA, INDIA.

Application No. 77/Bom/88, filed on 23rd March, 1988.

Complete after provisional left on 9-5-1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

3 Claims

A furnace comprising:

outer walls erected with the brick masonary and having openings, and inner bag walls having the refractory brick lining:

grates provided between the said outer walls and the inner walls and at the said openings, on both sides of the furnace;

a chamber located between the said inner bag walls;

an arch roof having refractory back lining, provided above the said outer walls, so that the flame in the said grates are directed towards the said arch roof, wherefrom the heat is radiated into the said chamber;

a flue passage leading into a chimney for discharging effluents generated in the furnace; and

a bogie provided within the said chamber on the rails mounted below the hearth of the furnace, into which the material to be treated are put into.

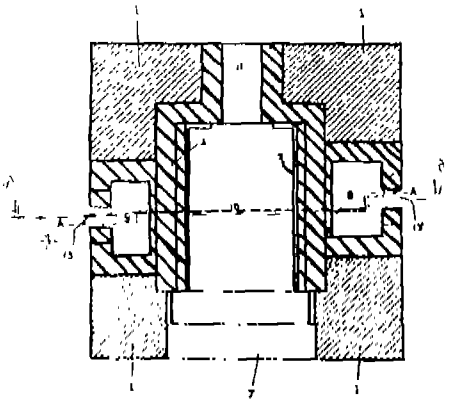


Fig. 1

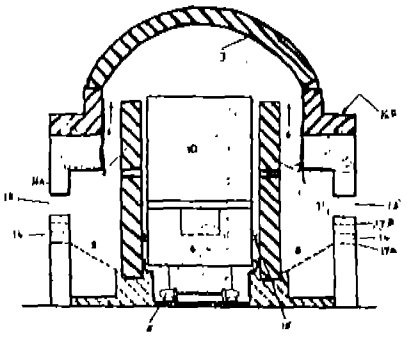


Fig. 3

Prov. Specn. 6 Pages. Drg. Nil.
Compl. Specn. 19 Pages. Drgs. 4 Sheets.

Ind. Cl. : 55E 4 XIX(1) 168602
Int. Cl. : A 61 k 31/00, 31/49, 31/335.

A METHOD FOR THE MANUFACTURE OF AN IMPROVED ANTIMALARIAL COMPOSITION.

Applicant : HOECHST INDIA LIMITED, OF HOECHST HOUSE, NARIMAN POINT, 193, BACKBAY RECLAMATION, BOMBAY-400 021, MAHARASHTRA, INDIA.

Inventors : (1) DR. DIPAK KUMAR CHATTERJEE (2) DR. BINDU MADHAVAN VENUGOPALAN (3) DR. SUBRAMANI NATRAJAN IYER (4) DR. JURGEN BLUMBACH.

Application No. 224/Bom/88, filed on 12th August, 1988.

Complete after provisional left on 9-11-1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

2 Claims

A method for the manufacture of an improved anti-malarial composition consisting of mixing an antimalarial compound from the group consisting of artemisinine, dihydroartemisinine, arteether, artemether or artesunate in sub-curative dose with quinidine or its pharmaceutically acceptable salt or with quinidine and mefloquine or their pharmaceutically acceptable salts in sub-curative dose in association with or without pharmaceutically acceptable carrier(s) such as herein described.

Prov. Specn. 13 Pages. Drg. Nil.
Compl. Specn. 18 Pages. Drg. Nil.

Ind. Cl. : 70 C_4 [VII(5)] 168603
Int. Cl. : C 25D-5/00, 17/10.

A PROCESS FOR ELECTROPLATING METALS AND AN APPARATUS THEREFOR.

Applicants : ECO-TEC LIMITED, 925 BROCK ROAD SOUTH, PICKERING, ONTARIO, CANADA L1W 2X9.

Inventor : CRAIG J. BROWN

Application No. 246/Bom/88, filed on 29th August, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

19 Claims

A process for electroplating metals comprising the steps of :

(a) providing at least one electroplating bath having an anode including soluble anode material in the form of the metal to be plated and insoluble anode material;

(b) introducing into the bath a cathode comprising a workpiece to be plated :

(c) selecting the proportion of soluble anode material to insolube anode material so that the anode efficiency is substantially equal to the cathode efficiency during electroplating;

(d) electroplating the workpiece;

(e) removing the workpiece from the bath;

(f) rinsing the workpiece with rinse water;

(g) repeating steps (d), (e) and (f) using successive workpieces to be plated;

(h) treating the rinse water in an unit, such as, an ion-exchange unit to recover metal salt solution carried from the electroplating bath by the workpiece;

(i) recycling the recovered metal salt solution to the electroplating bath to maintain the metal salt concentration in the bath within required limits.

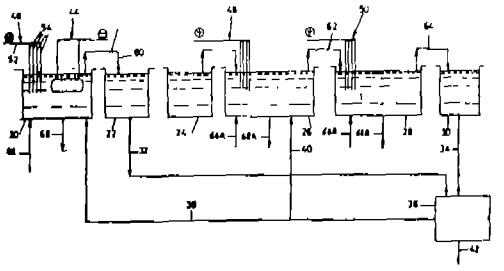


Fig. 1

Compl. Specn. 35 Pages. Drgs. 10 Sheets.

Ind. Cl. : 107 B & G [XLVI(2)]. 168604
Int. Cl. : F 02 B 69/06 & 75/32.

IMPROVEMENTS IN RECIPROCATING PISTON INTERNAL COMBUSTION ENGINES OR LIKE MACHINES.

Applicant & Inventor : VASANT MUKUND JOSHI, 4/49 VISHNU PRASAD, M. G. ROAD, VILE-PARLE (E), BOMBAY-400 057, MAHARASHTRA STATE, INDIA.

Application No. 267/Bom/88, filed on 19th September, 1988.

Complete after provisional left on 27th March, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

9 Claims

An improved reciprocating piston internal combustion engine or like machine, comprising a known device for measurement or assessment of the machine load, and at least one of its cylinders being provided with a crankpin of a crankshaft, one or more gudgeon pins and a piston; characterised by a bearing block connected to the said crankpin, a connecting arm connected to the said piston with one or more of the said gudgeon pins, bearings between the bearing block and the connecting arm, a locking mechanism comprising of a locking plate mounted on the said piston movable into two alternate positions relative to the piston connected by known means to a locking lever mounted on the said connecting arm by which means in one position of the locking plate relative to the piston the locking lever latches into the bearing block thereby locking the connecting arm and the bearing block and in another piston of the locking plate relative to the piston the locking lever unlatches from the bearing block allowing freedom of relative movement between the connecting arm and the bearing block, and a mechanical or electromagnetic actuator for moving the said locking plate into its alternate positions relative to the piston, fixed on the said cylinder at a location proximate to the position of the locking plate when the position of the said piston is at or in the close proximity of either its top or bottom dead centre positions.

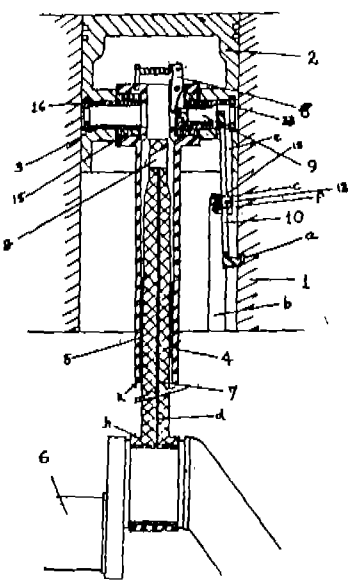


Fig. 1

Provl. Specn. 12 Pages. Drgs. 4 Sheets.
Compl. Specn. 29 Pages. Drgs. 8 Sheets.

Ind. Cl. : 62A$_2$ [XXII(1)] 170B [XLIII(4)]. 168605
Int. Cl. : C11D—1/04, 3/395

BLEACHING DETERGENT COMPOSITION.

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165-166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) JAMES ROBERT DARWEND, (2) KEITH CHARLES FRANCIS, (3) JOHN OAKES & (4) DAVID WILLIAM THORNTHWAITE.

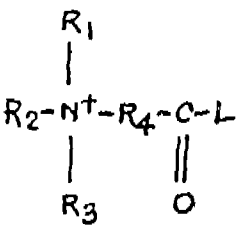
Application No. 47/Bom/89, filed on 28th February, 1989.

[U.K. Convention priority March 1st, 1988 & 14th November, 1988].

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

13 Claims

Bleaching-detergent composition comprising (i) from 2 to 40% by weight of a peroxide bleaching compound capable of yielding hydrogen peroxide in aqueous solution, (ii) from 0.1 to 20% by weight of a peroxycarboxylic acid percursor compound having the formula II



Formula II

wherein R_1, R_2 and R_3 are each a radical selected from the group consisting of alkyl, alkenyl, hydroxyalkyl and polyoxyalkylene containing from 1 to 18 carbon atoms; or two or R_1, R_2 and R_3 together with R_4 and the N-atom form an optionally substituted, nitrogen containing heterocyclic ring system; or two or more of R_1, R_2 and R_3 together with the N-atom form of optionally substituted, nitogen containing heterocyclic ring system; R_4 (if not formed into a nitrogen-containing heterocyclic ring system together with R_1 and/or R_2 and/or R_3) is bridging group selected from groups III, (IV) & (V) wherein each n individually can be 0, 1 or 2; L is a leaving group, the conjugate acid of which has a PK_a in the range of from 4 to 13, preferably from about 8 to 10; and Z can be a chloride, bromide, hydroxide, nitrate, methosulphate, bisulphate, acetate, sulphate, citrate, borate or phosphate anion; (iii) from 0 to 50% by weight of a surface active material and (iv) from 0 to 80% by weight of a detergency builder.

Compl. Specn. 30 Pages. Drgs. 5 Sheets

Ind. Cl. : 132 C + D [XXXIV(3)]. 168606
Int. Cl. : B01F—3/00, 5/00; B67D—5/56.

AN IMPROVED BLENDING MACHINE.

Applicant & Inventor : ANAND NARAYAN NAMJOSHI; CHIMANLAL GOVINDBHAI PATEL; MANUBHAI BHAILALBHAI PATEL; AND SHANKAR GANESH KARANDIKAR ALL INDIAN NATIONALS OF NAVAYUG INDUSTRIAL ESTATE PLOT

NO. 23, GOVT. INDUSTRIAL ESTATE, KANDIVLI (WEST), BOMBAY-400 067, MAHARASHTRA, INDIA.

Application No. 50/Bom/89, filed on 28th February, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

2 Claims

An improved blending machine comprising in combination :

a hopper cone for introducing solid phase materials;

a pump for introducing liquid phase materials;

a propagator coupled with a geared motor to feed the said solid phase material into a funnel;

the outlet of said pump being connected to said funnel in such a way to introduce the liquid surrounding said solid phase material;

at least one stator-rotor, the inlet being in communication with outlet of said funnel, into which said solid and liquid phases of materials are introduced for shearing; and

at least one turbine, the inlet being in communication with outlet of said stator-rotor, into which said sheared material is introduced for dispersion and whorefrom the dispersed product is drawn out.

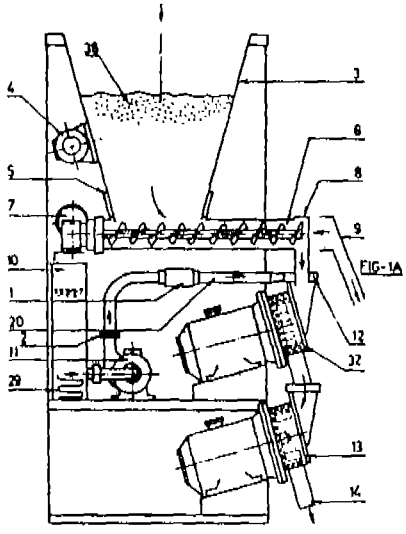


Fig. 1

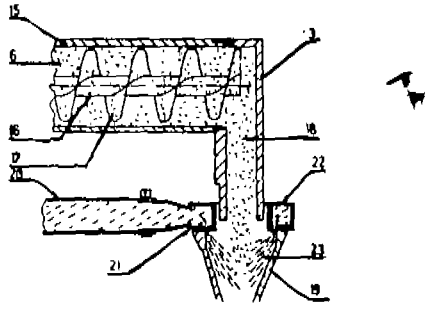


Fig. 4

Compl. Specn. 16 Pages. Drgs. 5 Sheets.

Ind. Cl. : 40B [IV(1)]. 168607
Int. Cl. : B01 J—23/72.

METHOD FOR THE CONVERSION OF NITRILES TO AMIDES EMPLOYING IMPROVED ACTIVE COPPER CATALYSTS.

Applicants : INDIAN PETROCHEMICALS CORPORATION LIMITED, P.O. PETROCHEMICALS, DISTRICT BARODA-391 346 GUJARAT, INDIA.

Inventors : (1) MARAYIL RAVINDRANATHAN & (2) SWAMINATHAN SIVARAM.

Application No.63/Bom/89, filed on 13th March, 1989.

[Divl. to 147/Bom/1986].

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

12 Claims

A method for the conversion of aliphatic or aromatic nitriles such as herein described to the corresponding amides by the selective hydration of the nitrile functionality which comprises subjecting an aqueous solution of said aliphatic or aromatic nitrile to a temperature in the range of from 50°C to 150°C in the presence of an active copper catalyst having an enhanced surface area of the nature of 8 to 12 square metres per gram and a consequentially enhanced activity and being employed in a catalyst to nitrile molar ratio of from 0.06 to 0.80, said active copper catalyst having been prepared by reducing at a low temperature of from 0°C to 10°C one or more higher valent copper salts by the controlled addition to said salts of an aqueous alkaline solution of a reducing agent selected from alkali metal or alkaline earth metal borohydrides over a period of from 2 to 5 hours, said copper salt and said reducing agent being present in a molar ratio of salt to reducing agent of from 0.15 to 1.8 and, after the reaction is complete, extracting the catalyst and washing it until the washed water evinces a pH of from 5.5 to 6.

Compl. Specn. 21 Pages. Drg. Nil.

Ind. Cl. : 80K, I Gr. [VI] 201 D Gr. [II(4)]. 168608
Int. Cl. : B01 D—31/00.

AN IMPROVED PROCESS FOR ANAEROBIC DIGESTION OF EFFLUENT/SPENT WASH FROM ALCOHOL DISTILLERIES AND A PLANT FOR CARRYING OUT THE SAID PROCESS.

Applicant : FOUR EYES RESEARCH PRIVATE LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT 1956, HAVING ITS REGISTERED OFFICE AT 798, BHANDARKAR INSTITUTE ROAD PUNE-411 004, MAHARASHTRA, INDIA.

Inventors : (1) TARAPRAKASH PRABHAKAR VARTAK, (2) ABDULLA AHMED KHATRI, (3) MADHUKAR SHANKAR GODBOLE.

Application No. : 68/Bom/89, filed on 17th March, 1989.

Comp. after Prov. left on 6th December, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

14 Claims

An improved process for anaerobic digestion of effluent/spent wash from alcohol distilleries comprising of the following steps :

fractionation of the said spent wash passing through an ultra-filtration system consisting of semipermeable membranes, to fractionate into Retentate and Permeate, the said 'Retentate' containing HMW organics and larger portions of inorganic salts and colour, the said permeate containing LMW organics and a small portion of inorganics salts and colour; digestion of the said 'Permeate' in a digester for generating biogas having methane, carbondioxide and Hydrogen sulphide as by-products; and obtaining a final effluent, containing light colour and very low BOD and COD coming out of said digester for final disposal on land or in water streams without any problem of pollution, separation of the said 'Retentate' into a tank for disposing off after incinerating or composting it or otherwise.

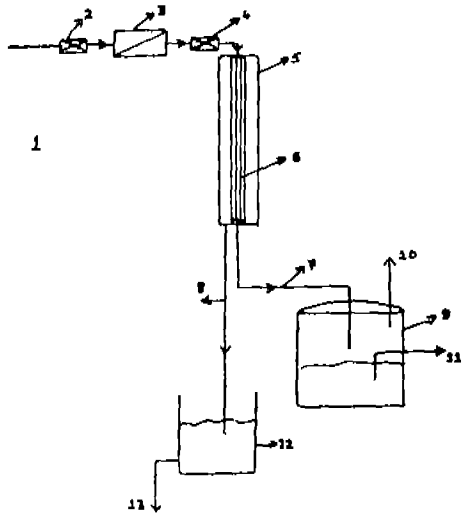


Fig. 2

Prov. Specn. 6 Pages. Drg. Nil.
Comp. Specn. 12 Pages. Drgs. 2 Sheets.

Ind. Cl. : 189 LXVI (9). 168609
Int. Cl. : A 61 K—7/16.

A PROCESS FOR PREPARING A SUBSTANTIALLY FLUORINE FREE ORAL PREPARATION HAVING AN ANTI-CARIES ACTIVITY.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE LAWS OF INDIAN COMPANIES ACT.

Inventors : NEIL JOHN BRISTOW, (2) PETER CARTER, (3) BRYONY EMMA COULSON & (4) MICHAEL ALBERT TREVETHAN.

Application No. : 134/Bom/89, filed on 18th May, 1989.

U. K. Convention date 19-5-1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

5 Claims

A process for preparing a substantially fluorine-free oral preparation having an anti-caries activity, comprising mixing a water-soluble case in material or sodium trimetaphosphate as anti-caries agent, a particulate abrasive material and conventional ingredient(s) such as herein described, characterised in that the particulate abrasive material comprises hydroxyapatite.

Compl. Specn. 10 Pages. Drg. Nil.

Ind. Cl. : 32F$_3$ (a) IX (1). 168610
Int. Cl. : C07 C—13/54, 13/547.

A PROCESS FOR THE PREPARATION OF 4, 15-EPOXY-LONGIFOLANE.

Applicant : CAMPHOR AND ALLIED PRODUCTS LIMITED,JEHANGIR BUILDING, 133, MAHATMA GANDHI ROAD, BOMBAY-400 023, MAHARASHTRA, INDIA.

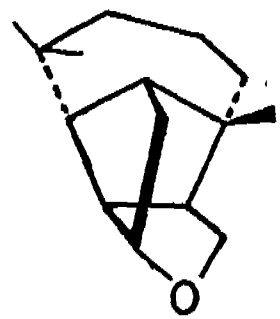
Inventors : (1) DR. KAMAL KISHORE NANDWANA, (2) DR. SUDHIR NARAYAN BANNORE 7 (3) DR. SUKH DEV.

Application No. : 240/Bom/89, dated 28-8-1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

10 Claims

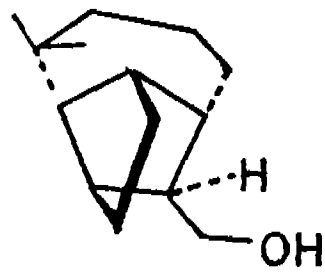
A process for the praparation of 4, 15-epoxylongifolane of structural formula I



Formula I

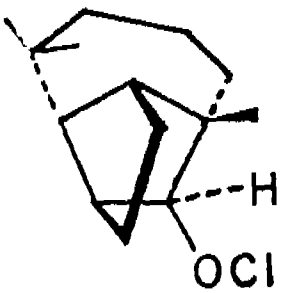
which comprises (Step a) : preparation of isolongifolyl hypochlorite of structural formula IV

from isolongifolol of structural formula II



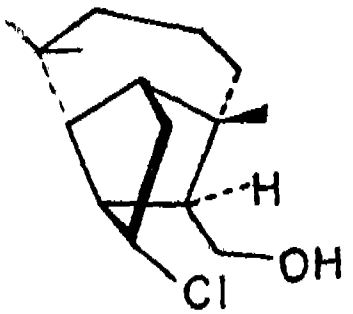
Formula II

in the presence of a hypochlorite such as herein described, in the presence of a solvent such as herein described and at a temperature such as herein described; (step b) : photolysis of isolongifolyl hypochlorite of structural formula IV



Formula IV

as obtained in step (a), under the reaction conditions and in an apparatus such as herein described, to give isolongifolyl chlorhydrin of structural formula V



Formula V

and step (c) : cyclization of isologifolyl chlorhydrin of structural formula V, in the presence of a base such as herein described and at a temperature such as herein described to give 4, 15-epoxylongifolane of structural formula I of the accompanying drawings.

Compl. Specn. 12 Pages. Drgs. 2 Sheets.

Ind. Cl. : 144 B 168611
Int. Cl.[4] : C23D 11/00.

AN AQUEOUS COATING COMPOSITION.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventor : RICHARD PAUL REDMAN.

Application for Patent No. 985/Del/86, filed on 10th November, 1986.

Convention date 12th December, 1985/8530645/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

8 Claims

An aqueous coating composition, suitable for application to a cathodic substrate by electrodeposition, which comprises a dispersion in an aqueous medium as herein described in the presence of an amine-ionising acid as herein described of cationically-stabilised particles comprising :

(1) 50 to 84% by weight based on the combined weight of (1), (2) and (3) of an amine-epoxide reaction product as herein described,

(2) 15 to 45% by weight based on the combined weights of (1), (2) and (3) of a blocked polyisocyanate as crosslinking agent; and

(3) 1 to 12% by weight based on the combined weights of (1), (2) and (3) of a highly methylolated, highly alkylated melamine-formaldehyde resin wherein on average at least 4.0 of the reactive hydrogen atoms per triazine ring are methylolated, at least 3.5 of these methylol groups are alkylated and the alkylating group is selected from C_{4-10} alkyl, the resin being substantially unreactive with the amine-epoxide reaction product (1) at temperatures below 190°C.

Compl. Specn. 24 Pages. Drg. Nil.

Ind. Cl. : 73 XXII(2). 168612
Int. Cl.[4] : B05 C1/00, D06M 11/00, 13/00, 15/00.

AN APPARATUS FOR FABRICS TO PRODUCE AT LEAST ONE DESIRED SUCH AS SOFTENING APPEARANCE OR MATERIAL CONSTITUTION OF SUCH FABRICS.

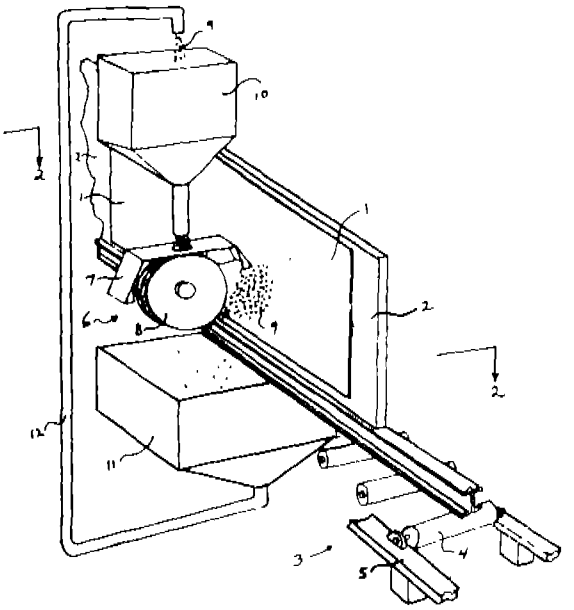
Applicant & Inventor : GELLER GEORGE ROBERT A U.S. CITIZEN OF 448 NEPTUNE AVENUE, BROOKLYN, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Application for Patent No. 25/Del/87, filed on 14th January, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

14 Claims

An apparatus for modifying fabric (1) to produce et least one desired effects such as hereinbefore described which comprises a supply roll (4) for supplying a length of fabric to a conveyor, (3) said fabric having a first fabric surface and a second fabric surface, said conveyer (3) being disposed to move the fabric along a horizontal path in length-wise dfrection, a first support (2) backing positioned adjacent to said path, rollers adjacent to said first support backing positioned to alidably press the second fabric surface against the first support backing, a first treating station located opposite from the first support backing, a first treating station located opposite from the first support backing, facing the first fabric surface and comprising a first particle propulsion unit for propelling a stream (9) of a particles of a substance towards said first fabric surface, and a take-up roll positioned to receive said length of fabric from said first treating station to remove treated fabric from said path said conveyor, said first treating station and said take-up roll being located in sequence along said path.



Compl. Specn. 32 Pages. Drgs. 3 Sheets.

Ind. Cl. : 126 D. LVIII(6). 168613
Int. Cl.[4] : G 01 M 33/00.

APPARATUS FOR DETECTING ANOMALIES IN A FLUIDISED BED CONTAINED IN AN ENCLOSURE.

Applicants : BP CHEMICALS LIMITED, A BRITISH COMPANY, OF BELGRAVE HOUSE, 76 BUCKINGHAM PALACE ROAD, LONDON SW1WOSU, ENGLAND.

Inventors : ALAIN MARSALY, ANDRE MARTENS, FREDERIC ROBERT MARIE MICHEL MORTEROL, CHARLES RAUFAST.

Application for the Patent No. 128/Del/87, filed on 16th February, 1987.

Convention date September 26/86/8623232/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

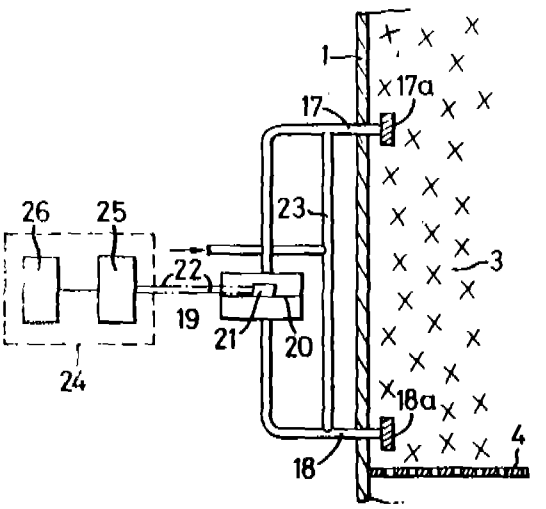
5 Claims

Apparatus for detecting anomalies in a fluidised bed contained in an enclosure and controlling the conditions in said bed, characterised in that it comprises :

at least one pressure sensor (11, 12, 13 or 14, 15, 16) comprising a pressure-pickup tube (17, 18) opening or entering the enclosure (1) and a piezoelectric sensor (19) measuring the pressure at least at one level in the fluidised bed and providing analog signals corresponding to the pressure;

the pressure sensor (19) being connected by electrical conductors to a signal-processing unit (24, 27, 28) for transmitting the analog signals from the pressure sensor (19) to the signal-processing Unit (24, 27, 28);

the signal-processing unit (24, 27, 28) unit comprising (a) an analog-to digital converter which samples the analog signals and converts them into numerical values which are transmitted by electrical conductors to (b) a computer having a memory and a central calculating unit connected to said memory and which descriminates between background noise and frequencies above the signal frequencies present when the fluidised bed is operating under normal conditions and provides output signals at frequencis above said signal frequencies under normal conditions for indicating the presence of anomalies of operation in the fluidised bed.



Compl. Specn. 22 Pages. Drgs. 3 Sheets.

Ind. Cl. : 40 B IV (1). 168614
Int. Cl.[4] : B 01 J 23/00.

A METHOD FOR THE MANUFACTURE OF A CATALYST FOR USING REACTION OF A HYDROXYL COMPOUND WITH AN ISOCYANATE COMPOUND.

Applicants : ASHLAND OIL, INC. A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE COMMONWEALTH OF KENTUCKY, UNITED STATES OF AMERICA, OF 1000, ASHLAND DRIVE, RUSSEL, KENTUCKY 41169, UNITED STATES OF AMERICA.

Inventors : LAURENCE GLENN DAMMANN, GARY MICHAEL CARLSON.

Application for the Patent No. 154/Del/87, filed on 23rd February, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

7 Claims

A method for the manufacture of a catalyst complex for use in the reaction of a hydroxyl compound and an isocyanate compound which comprises reacting a molar excess of a complexing agent selected from a mercapto (1) compound as herein described, a polyphenol (2) or mixtures thereof, said polyphenol being capable of reacting with an isocyanate group in the presence of a tertiary amine activator, with a conventional metal (2) catalyst selected from a tin catalyst as herein described a bismuth catalyst as herein described and mixtures thereof the molar ratio of said complexing agent to said metal catalyst being 2 : 1 to 500 : 1.

Compl. Specn. 53 Pages. Drgs. 4 Sheets.

Ind. Cl. : 149 B [XXVIII (4)]. 168615
Int. Cl.[4] : E 02 D 7/06, 13/04, 5/58, 5/10.

AN IMPROVED APPARATUS FOR PILE DRIVING.

Applicant : PRECAST MICRO INJECTION PILE TECHNOLOGY LIMITED, 1501, HUTCHISON HOUSE, HONG KONG.

Inventor : LAM HENG BENG.

Application for the Patent No. 195/Del/87, filed on 5th March, 1987.

Convention date March 86/7/8605652/U.K. & October 86/13/-8624515/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

11 Claims

An apparatus for pile driving comprising a reciprocating drive means for driving pile which is progressively extended in length by connecting additional pile sections at the driven end of the pile between successive driving strokes of the drive means; the said drive means having a tubular guide mounted on a vertically extending rail for receiving the pile and reciprocatable drive means including a ram for driving the pile through the guide such the driven portion of the pile adjacent the driven end is substantially prevented form bending.

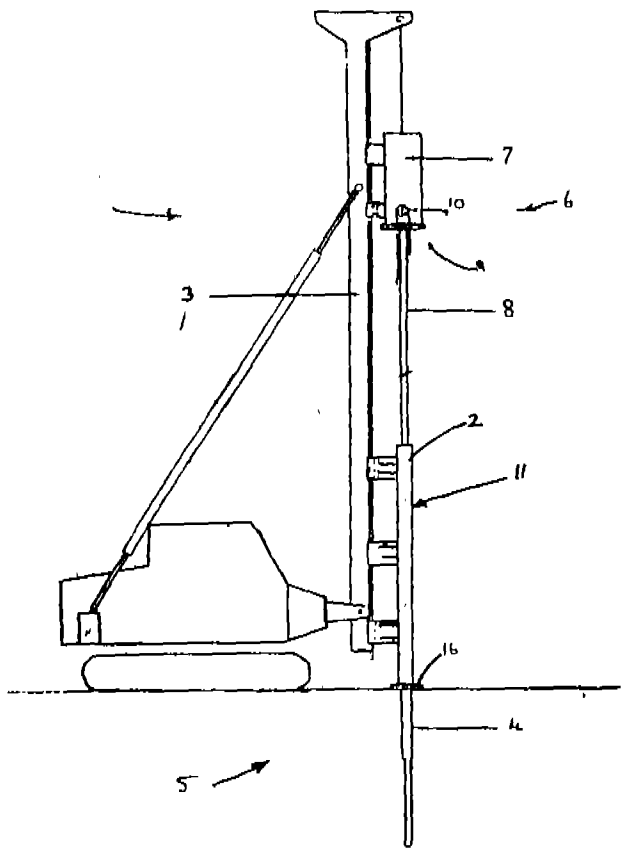


Fig. 1

Compl. Specn. 10 Pages. Drgs. 4 Sheets.

Ind. Cl. : 134A. 168616
Int. Cl.[4] : B60K 20/00 & 17/00 G08G 1/00 & 1/08

GEAR POSITION INDICATOR FOR VEHICLES.

Applicant & Inventors : RAKESH SACHDEV & MUKESH SACHDEV, INDIAN NATIONALS, PARTNERS OF KAMLA AUTOMOBILES, 25/1495 NAIWALA, KAROL BAGH, NEW DELHI-110 005.

Application for Patent No. 255/Del/87, filed on 24th March, 1987.

Complete Specification left on 21st June, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

6 Claims

Gear Position Indicator for vehicles comprising an indicator box, an indicator plate fixed on the top of indicator box, bulbs placed inside the indicator box provided with respective partitions, the said bulbs are connected through wires to gear position indicator body having more than one contact, one wire of which is connected to all bulbs is given to positive points of battery and other wires are connected to respective contact points of the Gear Position body wherein earth is provided.

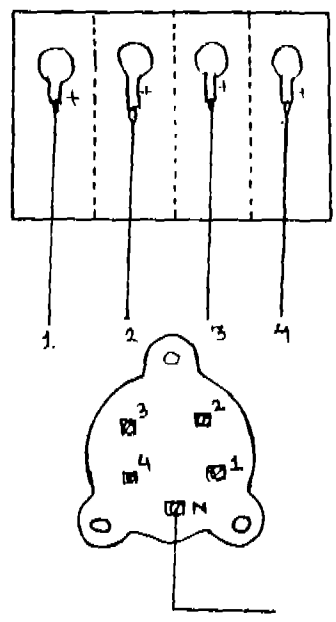


Fig. 7

Provi. Specn. 4 Pages. Drg. 1 Sheet.
Compl. Specn. 5 Pages.

Ind. Cl. : 77 D 168617
Int. Cl.[4] : B 01 D 15/04.

PROCESS FOR THE REMOVAL OF TRACE CONTAMINANTS FROM GLYCERIDE OILS.

Applicant : W.R. GRACE & CO-CONN., FORMERLY KNOWN AS W.R. GRACE & CO., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF

CONNECTICUT, UNITED STATES OF AMERICA, OF 1114, AVENUE OF THE AMERICAS, NEW YORK, NEW YORK 10036, UNITED STATES OF AMERICA.

Inventors : WILLIAM ALLAN WELSH & PERRY MICHAEL PARKER.

Application for Patent No 279/Del/87, filed on 2nd April, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A process for the removal of trace contaminants, specifically phospholipids and associated metal ions, from glyceride oils having a phosphorus content in excess of about 1.0 ppm which comprises contacting said glyceride oil with an adsorbent comprising amorphous silica having an effective average pore diameter of at least 60 Angstroms and within such pores an organic acid such as herein described or an aqueous solution of said acid having a concentration of 0.05 M or more, said acid containing amorphous silica having a total volatiles content of at least 10%.

Compl. Specn. 28 Pages. Drg. Nil.

Ind. Cl. : 149 A 168618
Int. Cl⁴. : E 02 D 5/00, 27/12.

A REINFORCED PRE-CAST CONCRETE PILE.

Applicant : PILECON ENGINEERING BERHAD A WEST MALAYSIAN COMPANY, OF 26 JALAN OVERSEAS UNION, OVERSEAS UNION GARDEN, 5TH MILE, OFF JALAN KLANG LAMA, 58200 KUALA LUMPUR, WEST MALAYSIA.

Inventor : LEE PEE HONG.

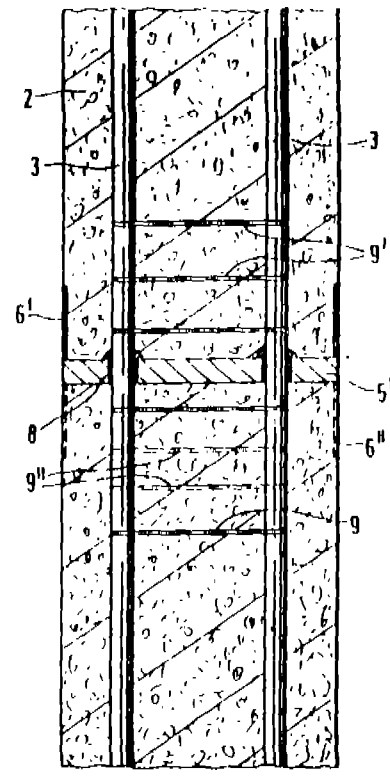
Application for Patent No. 367/Del/87, filed on 28th April, 1987.

Convention date April 30th 1986/8610617/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A reinforced, pre-cast concrete pile (1) having therein reinforcement (3, 9) extending substantially the length of the pile, (1) characterised by a metal plate (5) connected to said reinforcement (39) and extending across the cross-section of pile and transversely of the longitudinal axis of the pile, (1) said metal plate being embedded in the (5) pile at an intermediate location.



Compl. Specn. 7 Pages. Drgs. 2 Sheets.

Ind. Cl. : 204 168619
Int. Cl⁴. : G 01 G 1/29.

A WEIGHING SYSTEM.

Applicant : W. & T AVERY LIMITED, A BRITISH COMPANY OF SMETHWICK WARLEY, WEST MIDLANDS B 66 2LP, ENGLAND.

Inventors : MICHAEL DEAKIN & DAVID TYLER.

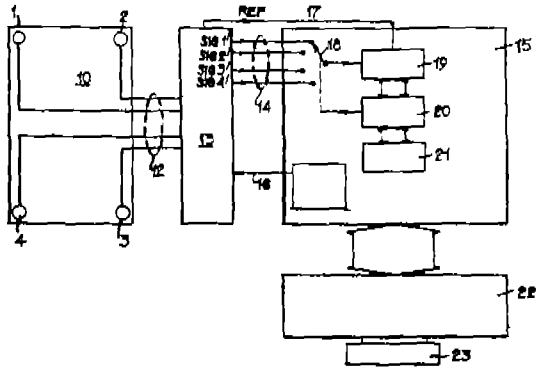
Application for Patent No. 425/Del/87, filed on 14th May, 1987.

Convention date May 14th 1986/8611793/G.B.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

3 Claims

A weighing system comprising a plurality of load cells (1, 2, 3, 4) coupled to a weighing platform, an analogue-to-digital converter (19) which can be connected to the outputs of the (1, 2, 3, 4) load cells for digitising the individual outputs of the load cells, a memory (21) connected to the output of the analogue-to digital converter to store the digitised load cell output values, said memory storing one or more correction values to be imparted to selected ones of the said stored digital values, means (20) connected to said analogue to digital converter and said memory, for summing the stored and corrected digital values and means for (22) displaying the summed values as an output weight.



Compl. Specn. 8 Pages. Drg. 1 Sheet.

Ind. Cl.: 32 $F_{3(e)}$ 168620
Int. Cl.: C 12C 11/02, 11/04 & 11/06.

PROCESS FOR PREPARING ALCOHOLIC BEVERAGES FROM VEGETABLE JUICE.

Applicant: LA COMPAGNIE VITICOLE ET FERMIERE EDMOND ET BENJAMIN DE ROTHSCHILD S.A., A SWISS COMPANY, OF 40, RUE DU RHONE, 1211 GENEVE 11, SWITZERLAND.

Inventors: GERARD COLIN AND MICHAEL CONROY.

Application for Patent No. 12/Del/88, filed on 8th January, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A process for preparing alcoholic beverages containing ethanol in the range of from 2% to 14% by volume from a vegetable juice of the kind described herein which process comprises extracting juice by pressing one or more vegetable so that the content of fermentable sugars in said juice is in the range of from 80 to 230 gm/litre and adjusting its pH in the range of from 3.5 to 4.3 in a known manner prior to sulphiting, clarifying said juice such as by centrifuging so as to remove the matters in suspension of size greater than 1 mm, subjecting said clarified juice to micro-filtration by employing a membrane having porosity in the range of from 0.2 um to 0.5 um, dividing said microfiltered juice into two unequal portions, preparing a leaven with the minor portion by aerobic culturing of a yeast such as Saccharomyces cerevisiae and adding the leaven so prepared to the remaining portion of the said microfiltered juice and carrying out the alcoholic fermentation at a temperature in the range of from 20°C to 28°C in a carbon dioxide atmosphere.

Compl. Specn. 15 Pages Drg. 1 Sheet..

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of the registration in the entry:

Class 1 No. 162433. Gaidu Electric Works, Link Road, Oppt. INDL. Estate, Ludhiana-3 (Punjab), India. "Movable Welding Machine". August 22, 1990.

Class 1 No. 162434. N. S. Birla Industries, 11201, Partap Nagar, St. No. 4, Ludhiana (Punjab), India, an Indian Partnership Firm. "Liner Device". August 22, 1990.

Class 1 No. 162611. Hawkins Cookers Limited, F-101 Maker Towers, P.O. Box 16083, Cuffe Parade, Bombay 400005, Maharashtra, India, an Indian Company. "Cooking Vessel Assembly". October 30, 1990.

Class 3 No. 162526. Rajen Industrial Corporation, 95/205, Dadasaheb Phalke Road, Dadar (CR), Bombay 400014, Maharashtra, India, Indian Proprietary Concern. "Grinder Cum Mixer". September 24, 1990.

Class 3 No. 162675. Crystal Plastics & Metallizing Pvt. Ltd., Sanghi House, Palkhi Galli, Off Veer Savarkar Marg, Prabhadevi, Bombay 400025, Maharashtra, India, "Comb". November 19, 1990.

Class 3 No. 162751. Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-4, Maharashtra, India, Indian Partnership Firm. "Tray". December 11, 1990.

Class 3 No. 162819. Goldmine Domestic Appliances (P) Ltd., D-139, Preet Vihar, Delhi-92, India. "Jar". January 8, 1991.

Class 3 No. 162867. Radiance Chemicals, 263, B.B. Ganguly Street, Calcutta 700012, W.B., India, Indian Proprietary Firm. "Container". January 24, 1991.

Copyright extended for the 2nd period of five years.

Nos. 162027, 162021, 157855, 156778, & 156633.	Class 1
Nos. 156745, to 156748, 160356, 157022, 156634, 157532, 156813, 156814.	Class 3
Nos. 157120 to 157124	Class 4
No. 158260	Class 5
Nos. 157282, 157083 & 156749	Class 10

Copyright extended for the 3rd period of five years.

No. 150323	Class 1
Nos. 160356, 150371 and 150596	Class 3

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